

Digitized by:



ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY,
INTERNATIONAL
www.apti.org

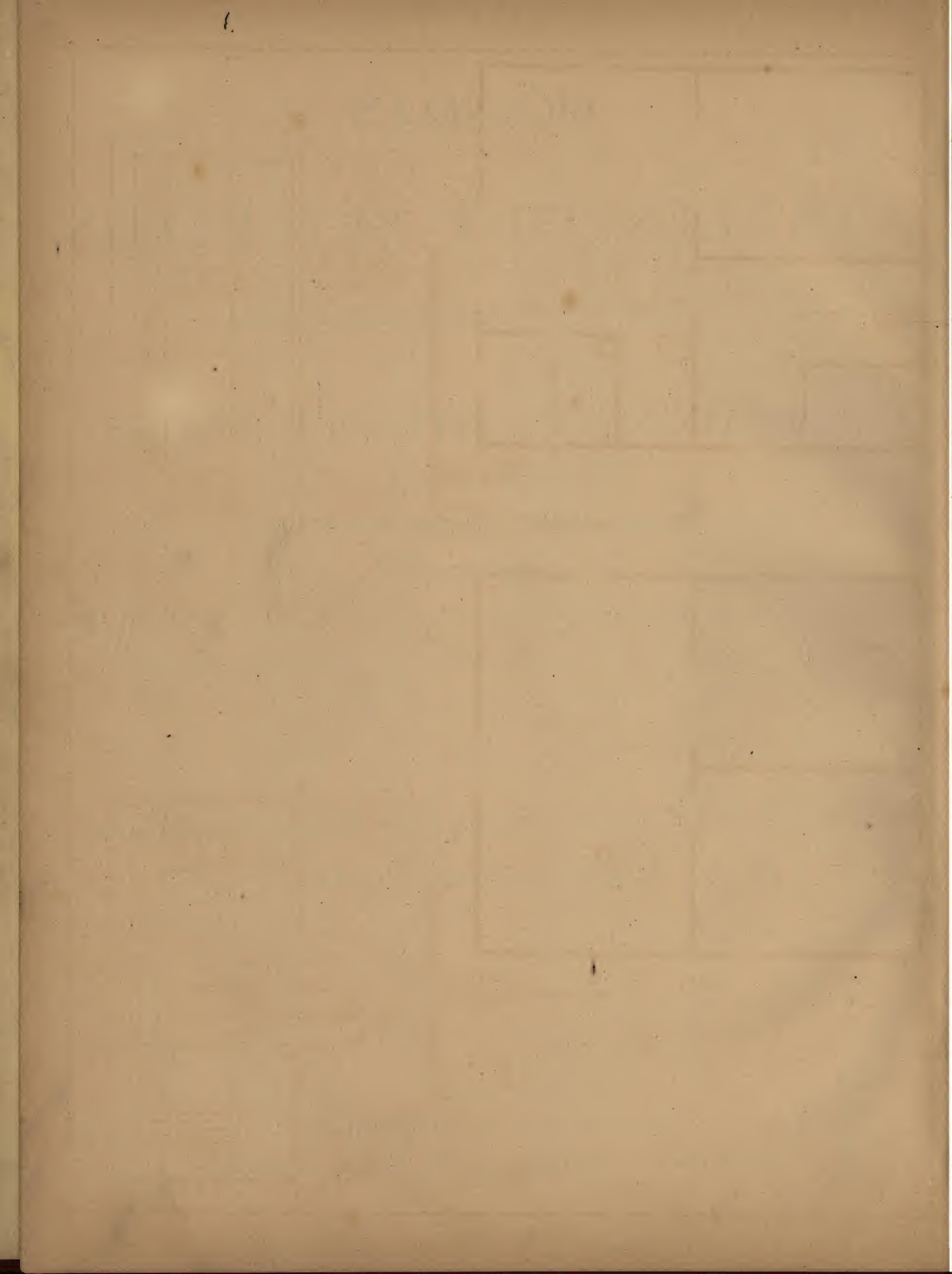
BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

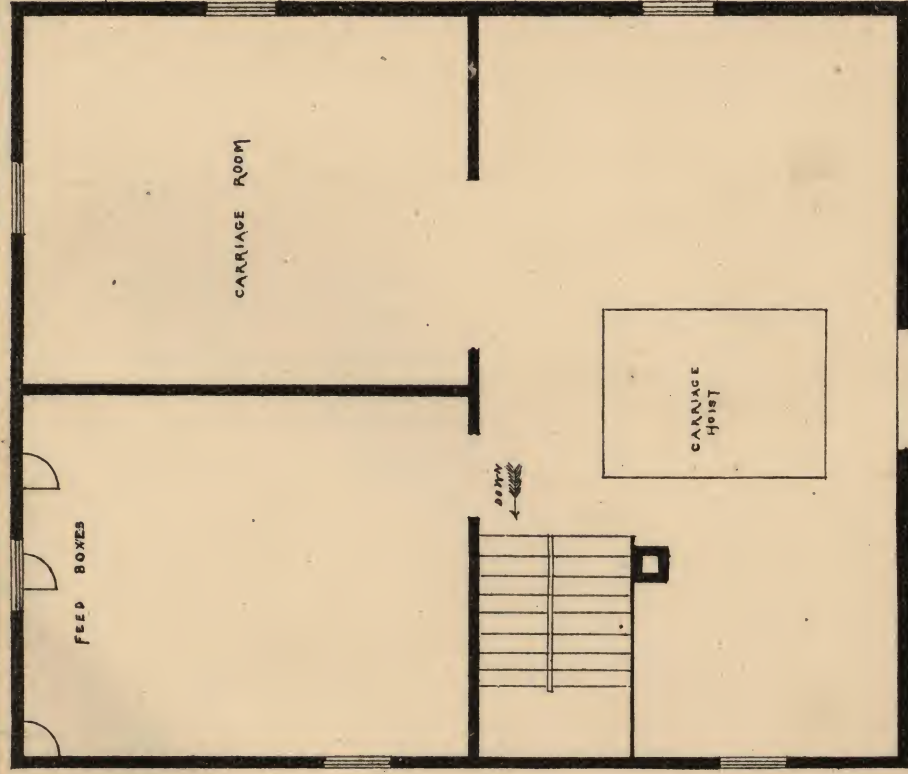
From the collection of:
Alan O'Bright

150-

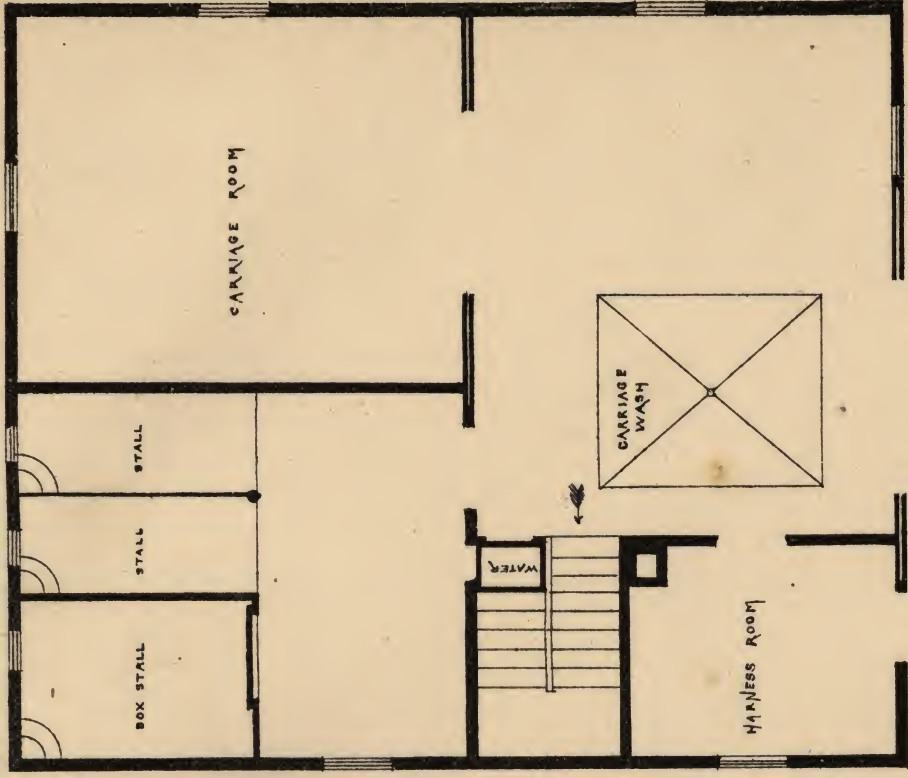
Hirtzcock 156 10/262



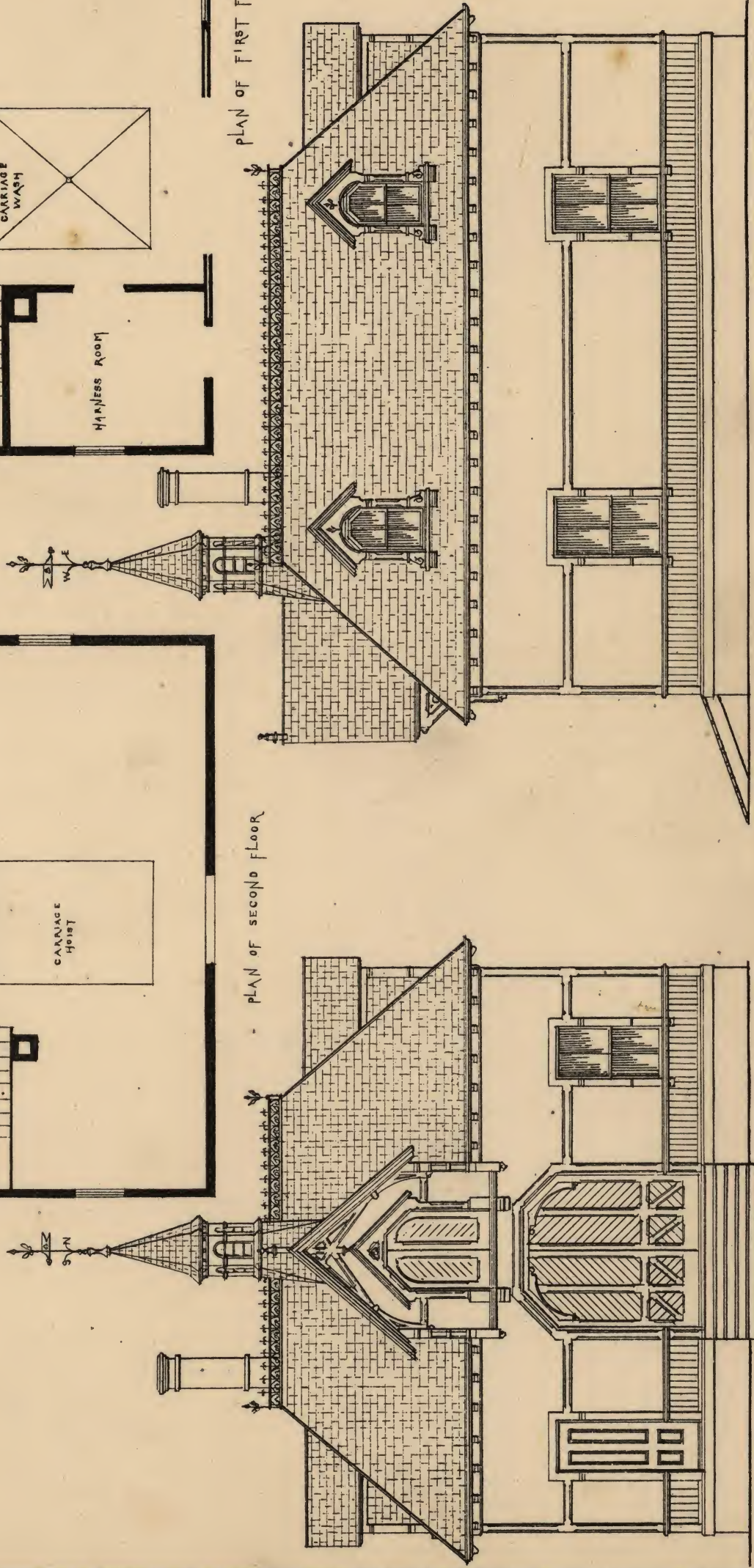
A.P. CUTTING.
 ARCHITECT.
 WORCESTER, MASS.
 SCALE $\frac{1}{8}$ INCH TO 1 FOOT.



PLAN OF SECOND FLOOR

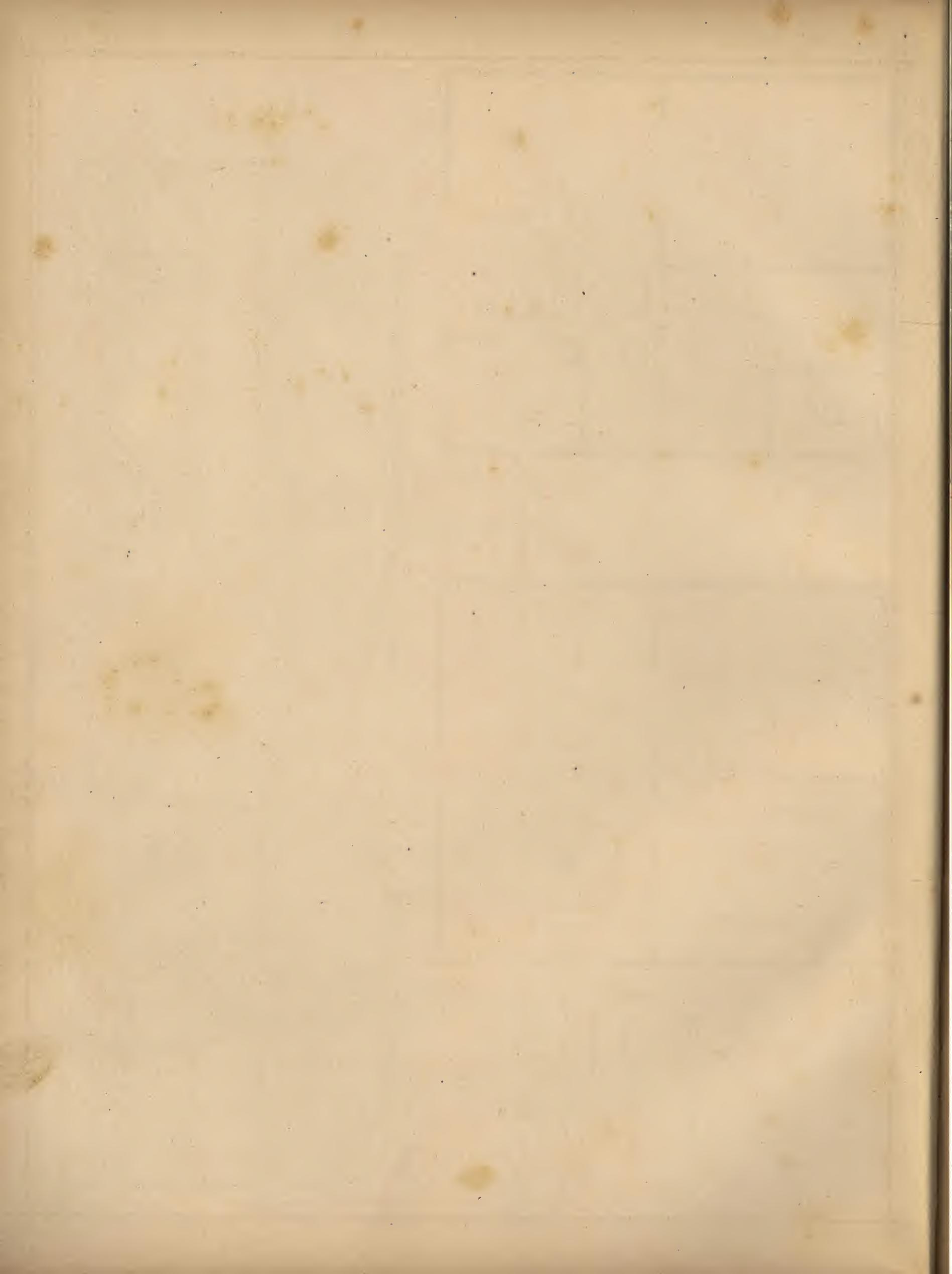


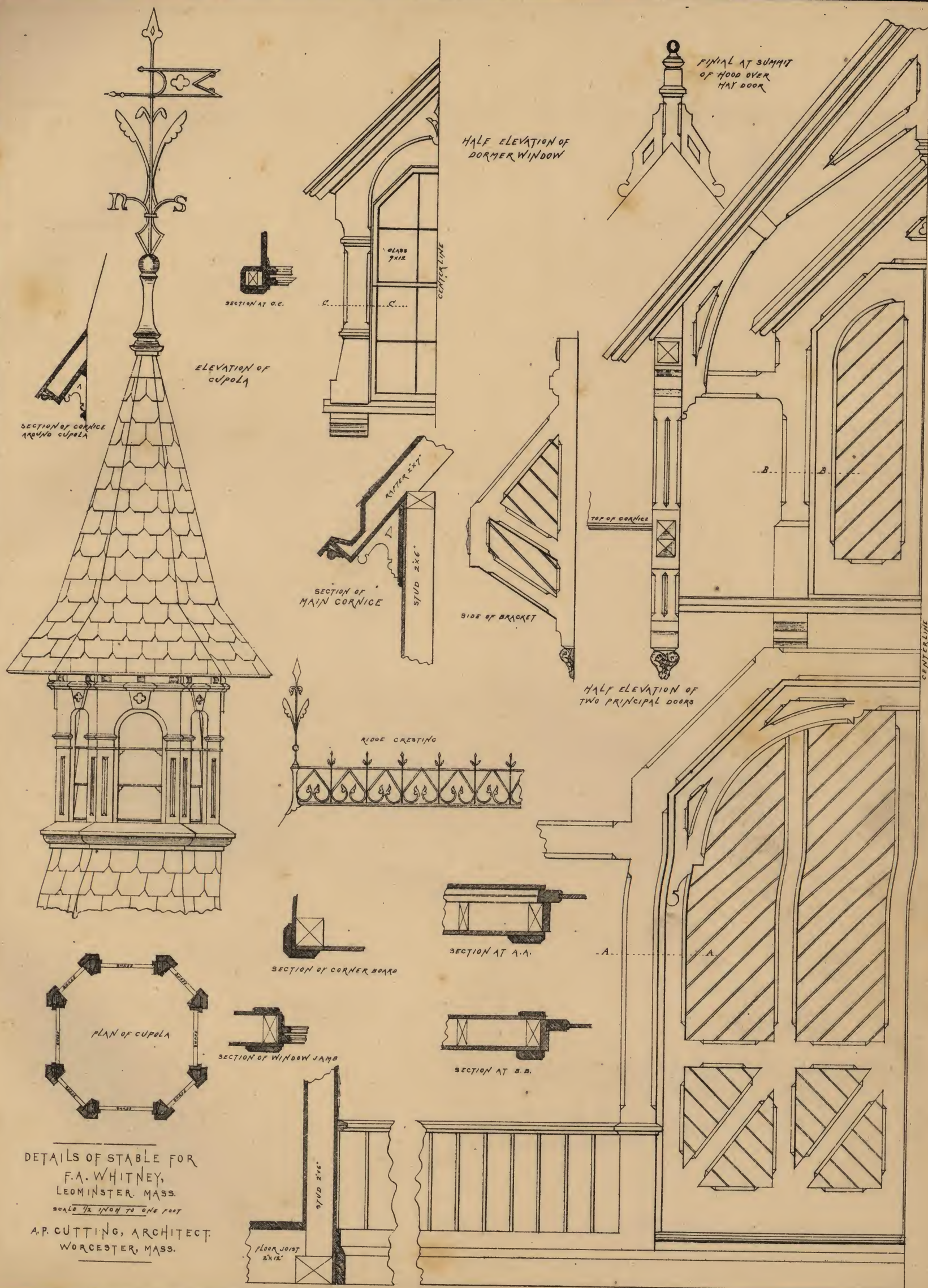
PLAN OF FIRST FLOOR



FRONT ELEVATION

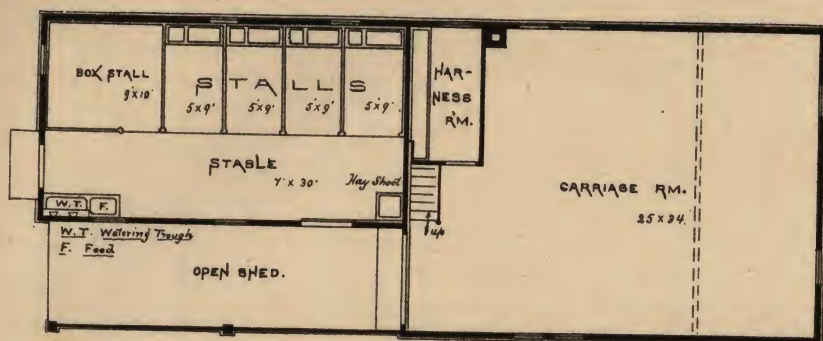
SIDE ELEVATION



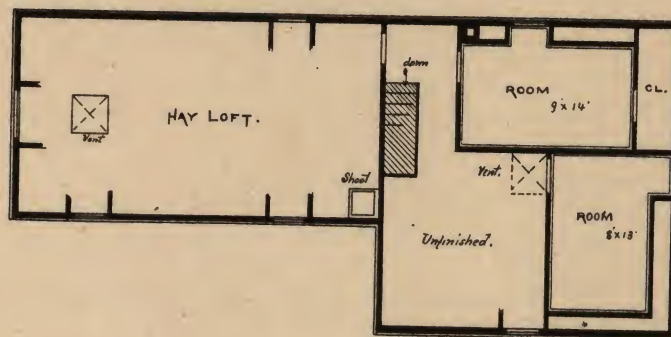




GROUND PLAN.



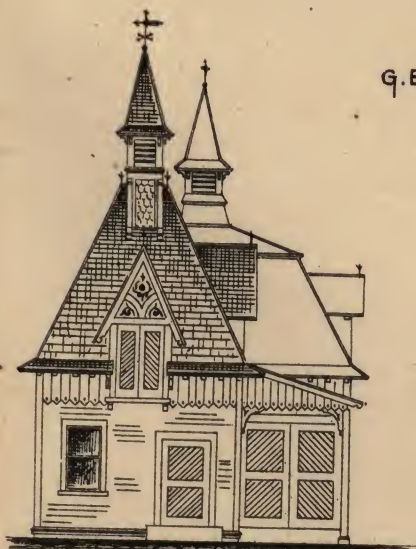
LOFT PLAN.



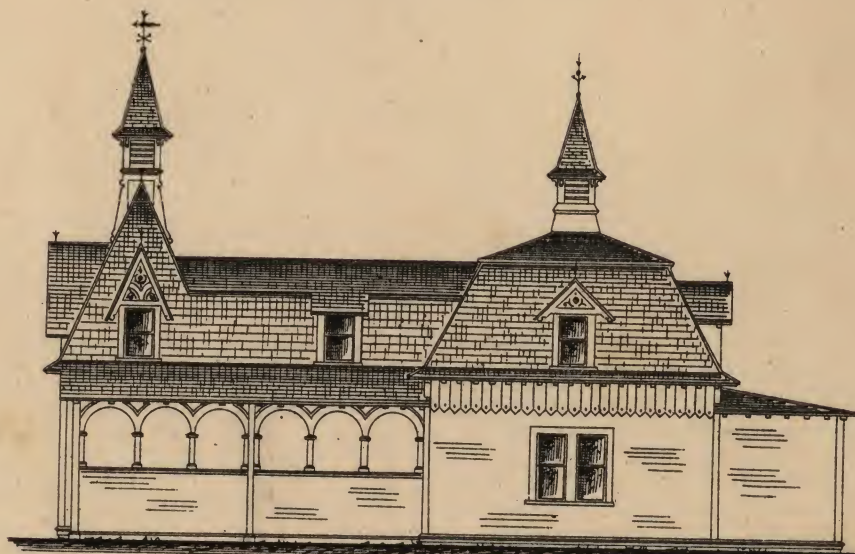
PERSPECTIVE VIEW.

G.E. HARNEY
ARCHITECT
149 B'WAY N.Y.

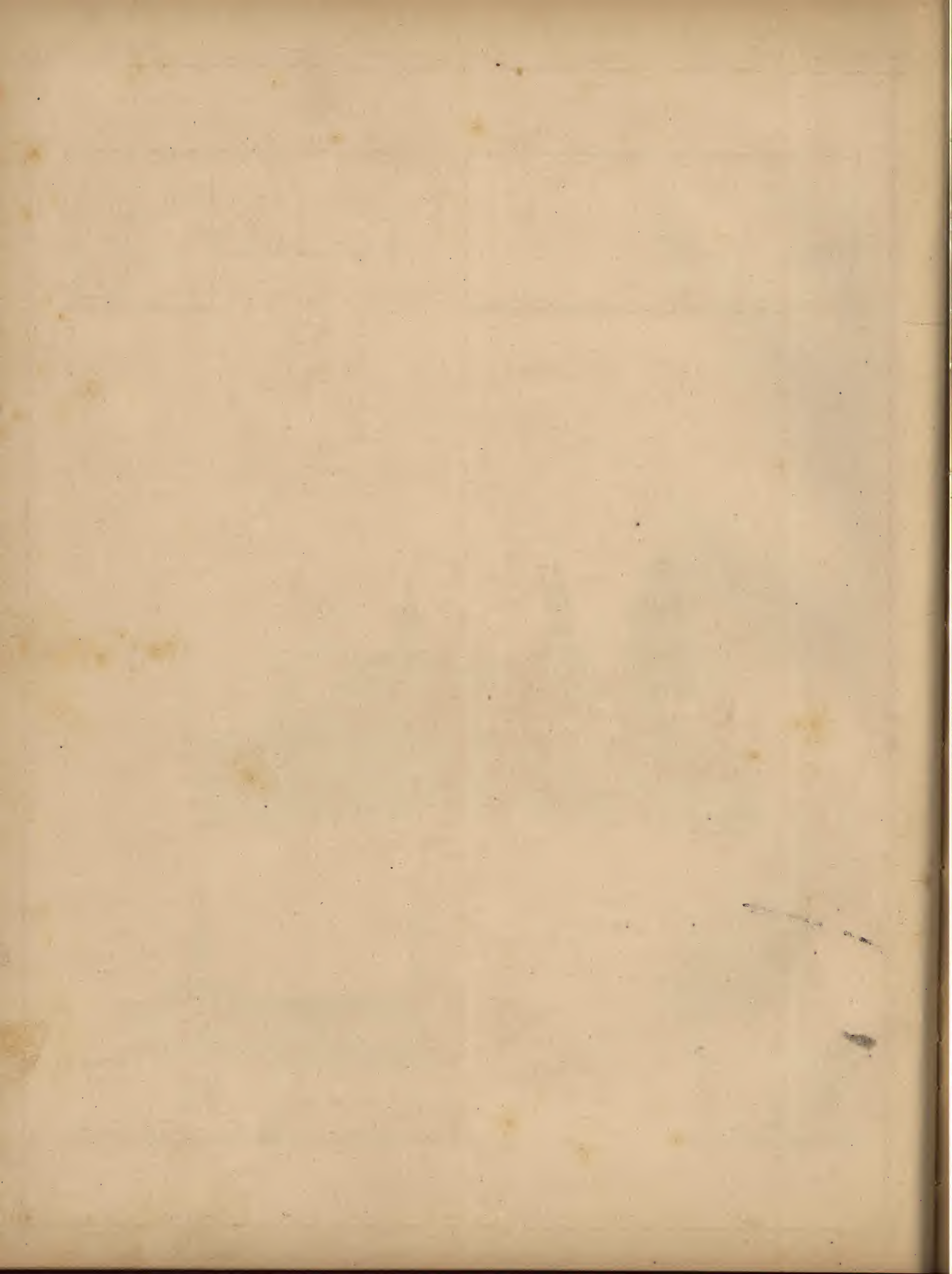
SCALE
16 FT. TO ONE INCH.

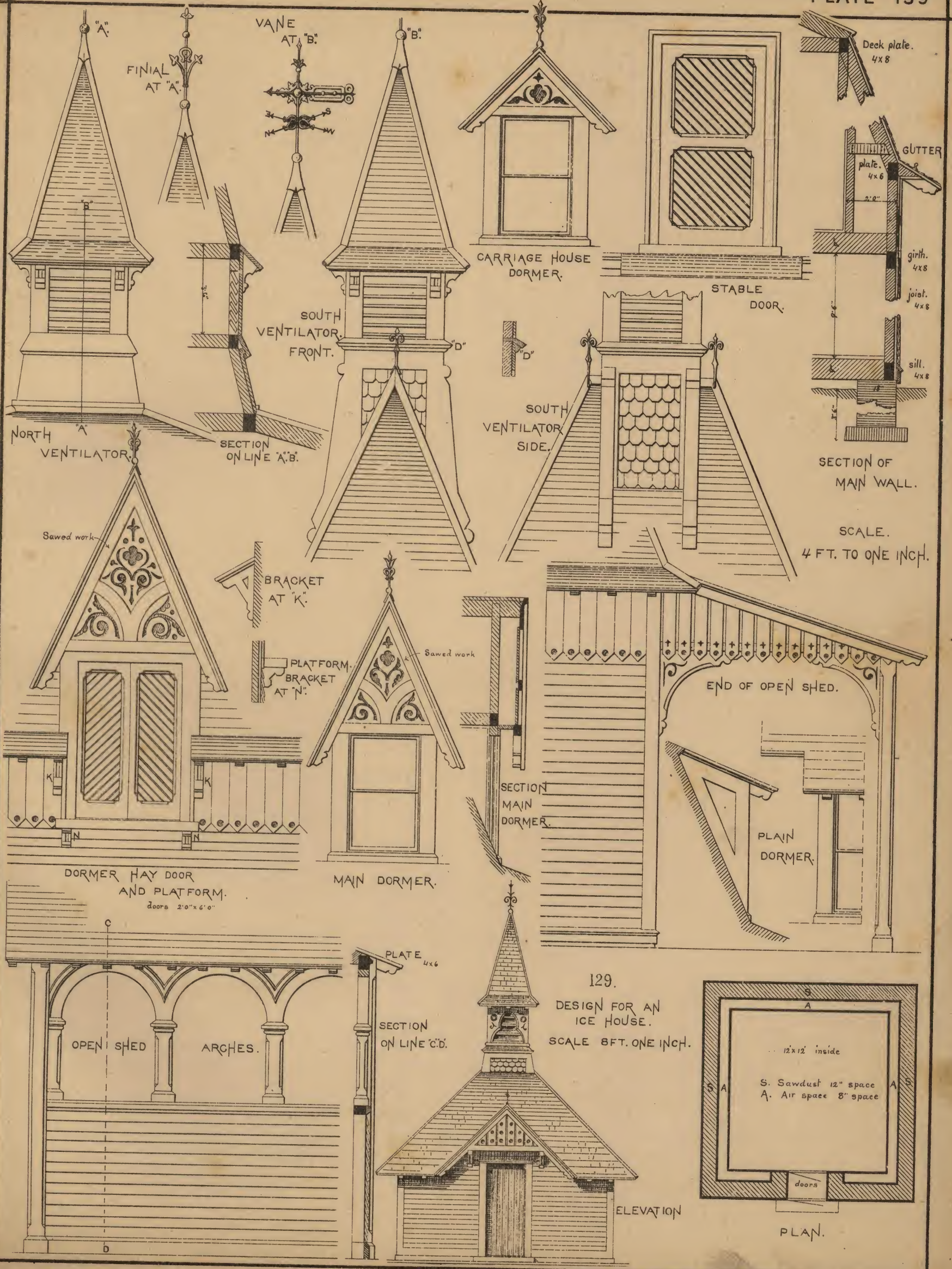


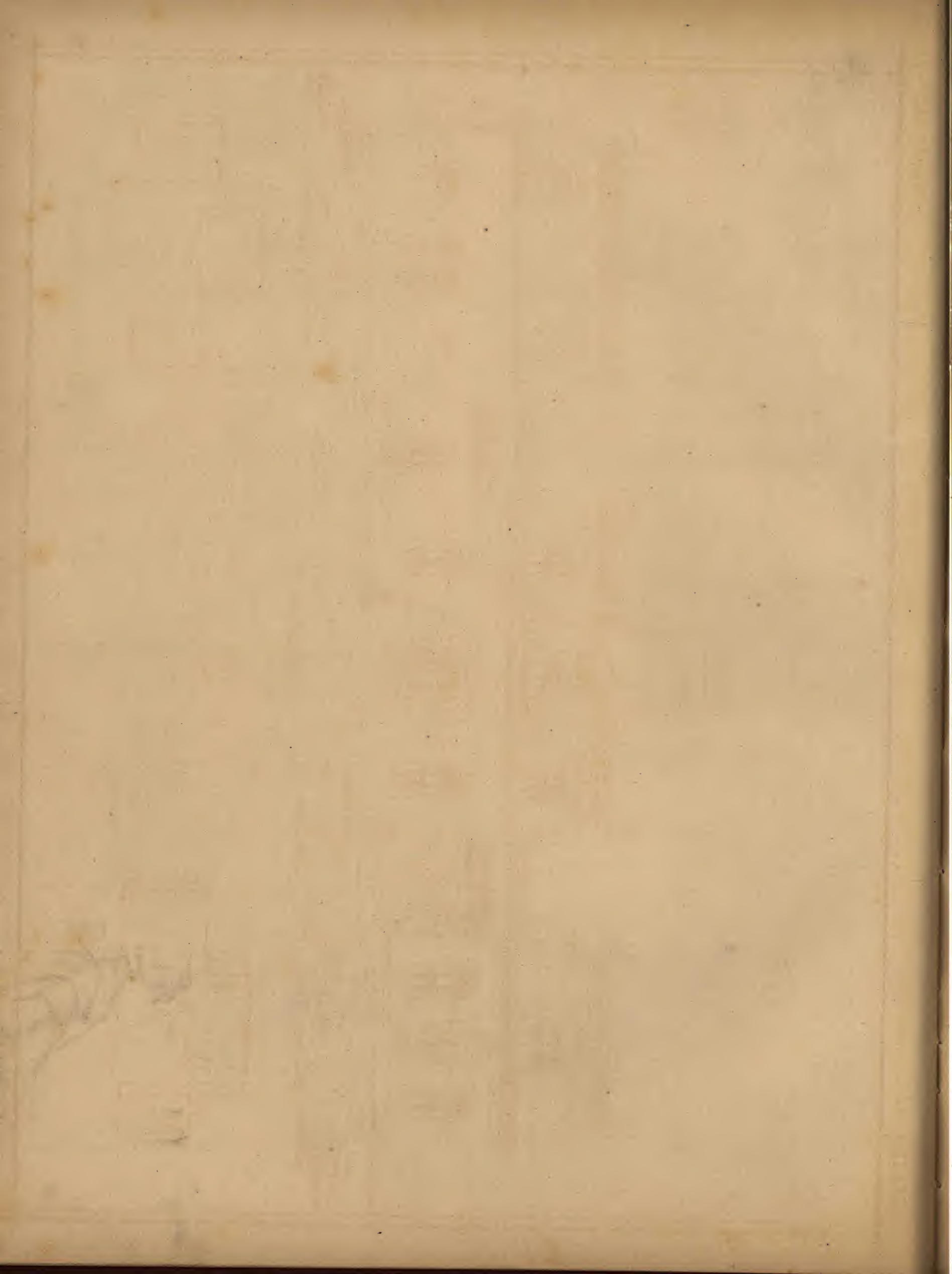
FRONT.

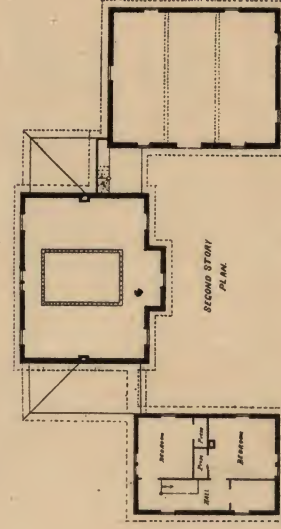
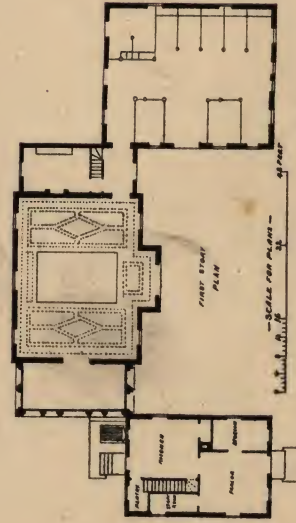
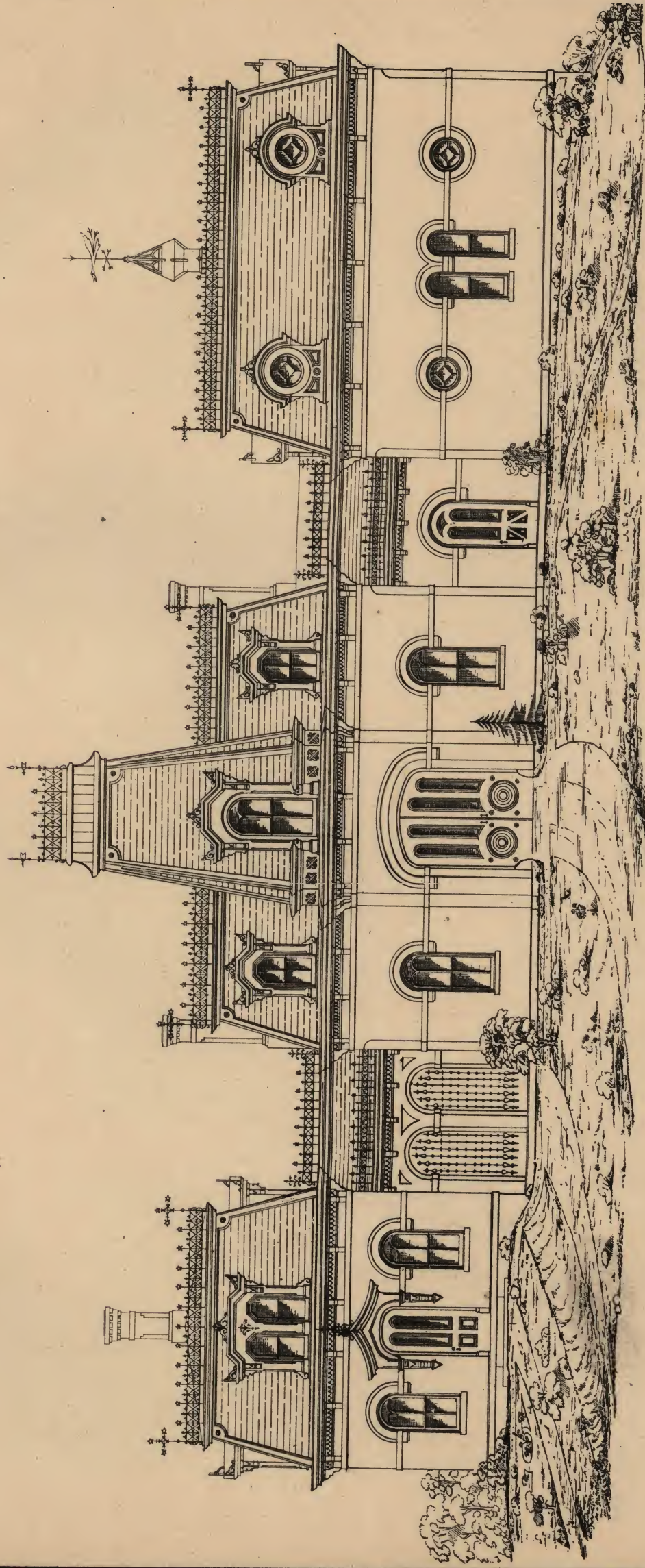


SIDE.







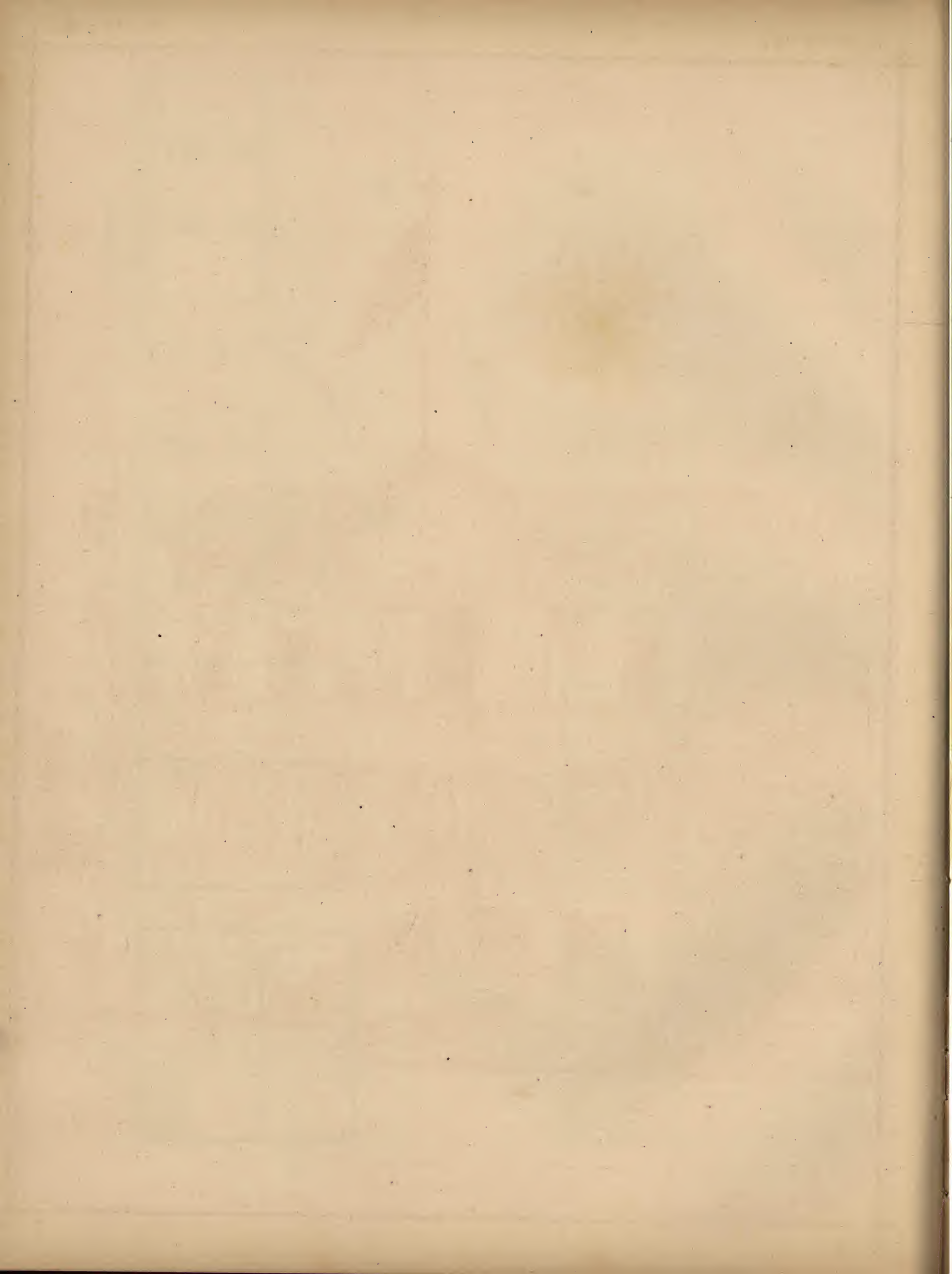


CARRIAGE HOUSE
BUILT FOR
HON THOMAS CORNELL.

RONDOUT, N.Y.

J. A. WOOD, ARCHITECT, N.Y.

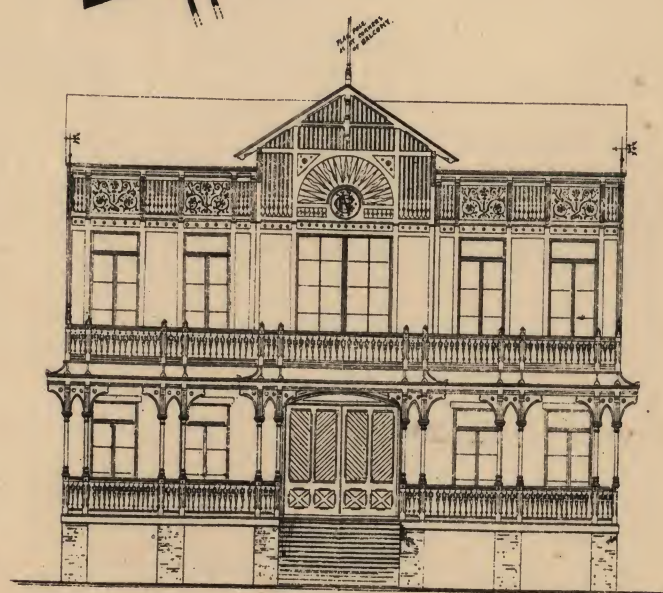
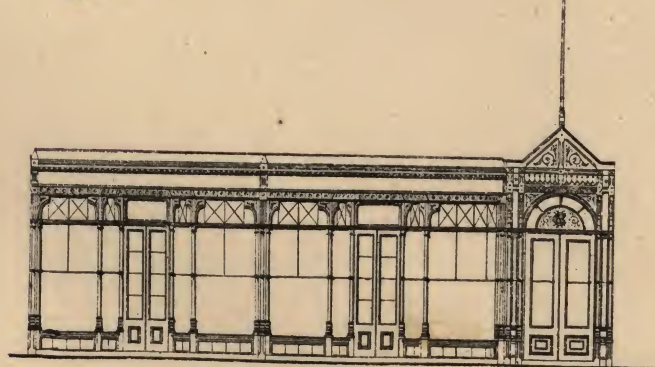
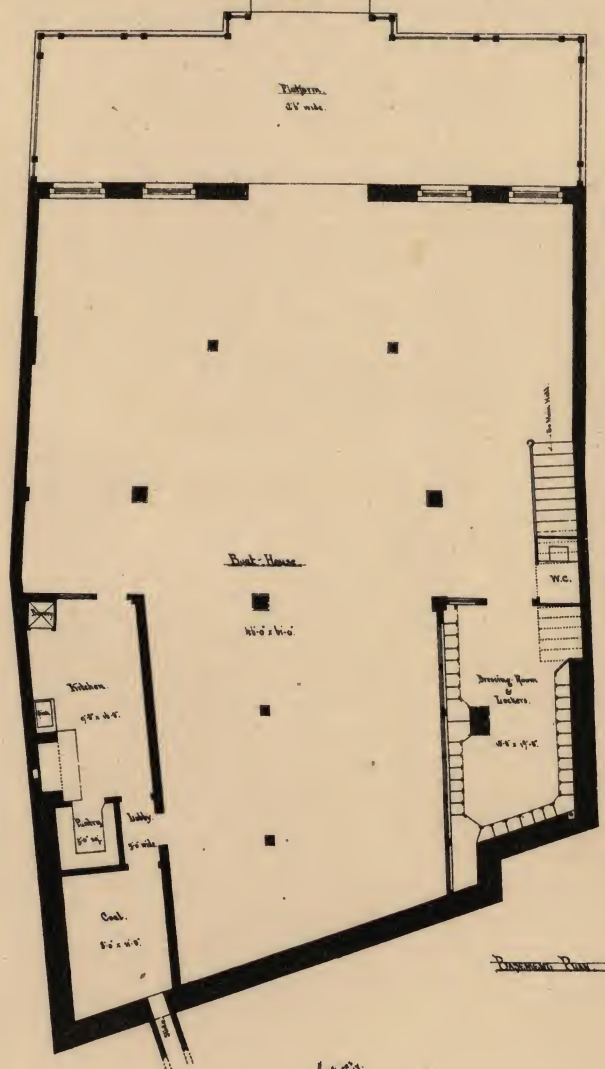
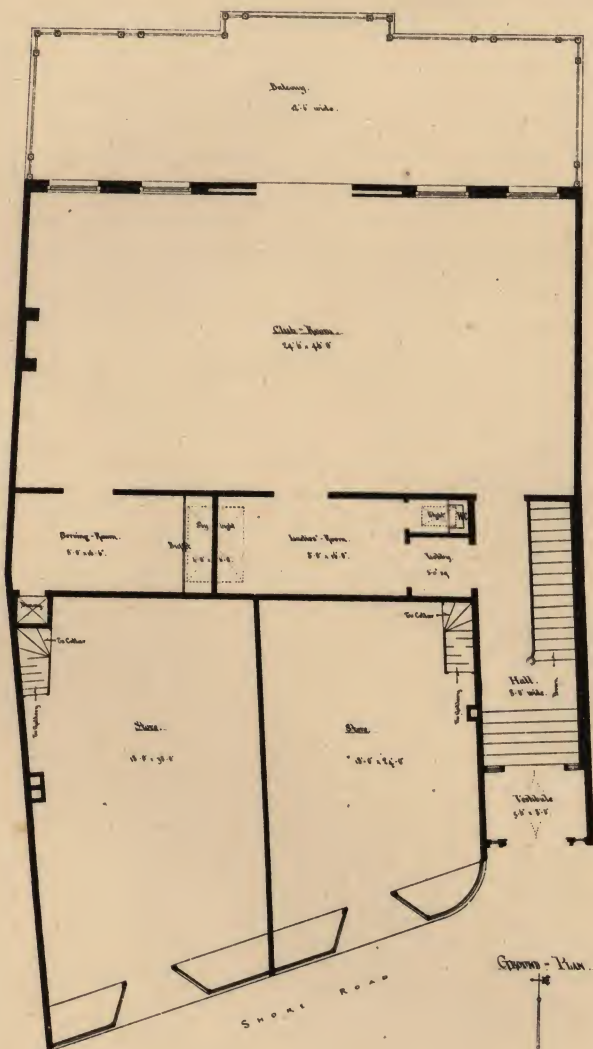
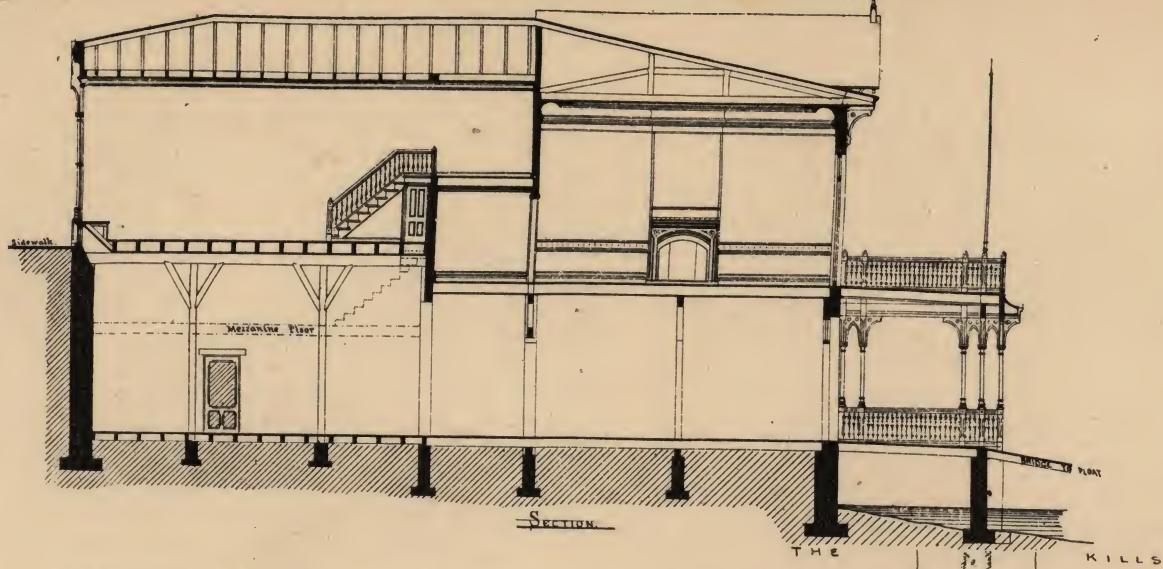
1" SCALE
FEET.
ELEVATION





NEPTUNE · BOAT · CLUB · HOUSE · S · 1 ·

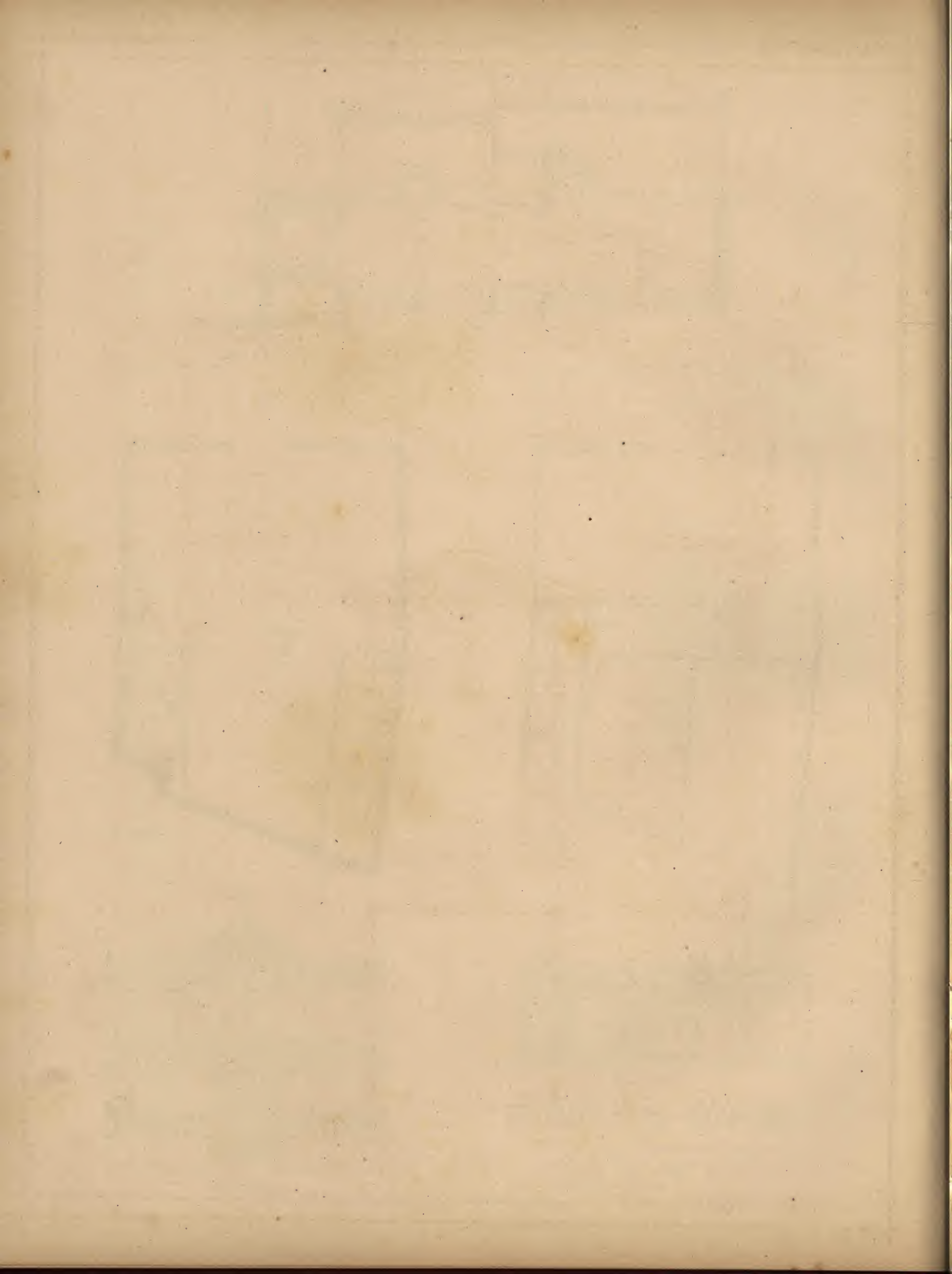
E. A. SARGENT · ARCHT.
98 · B'WAY · N. Y.



NEPTUNE BOAT CLUB S.I.

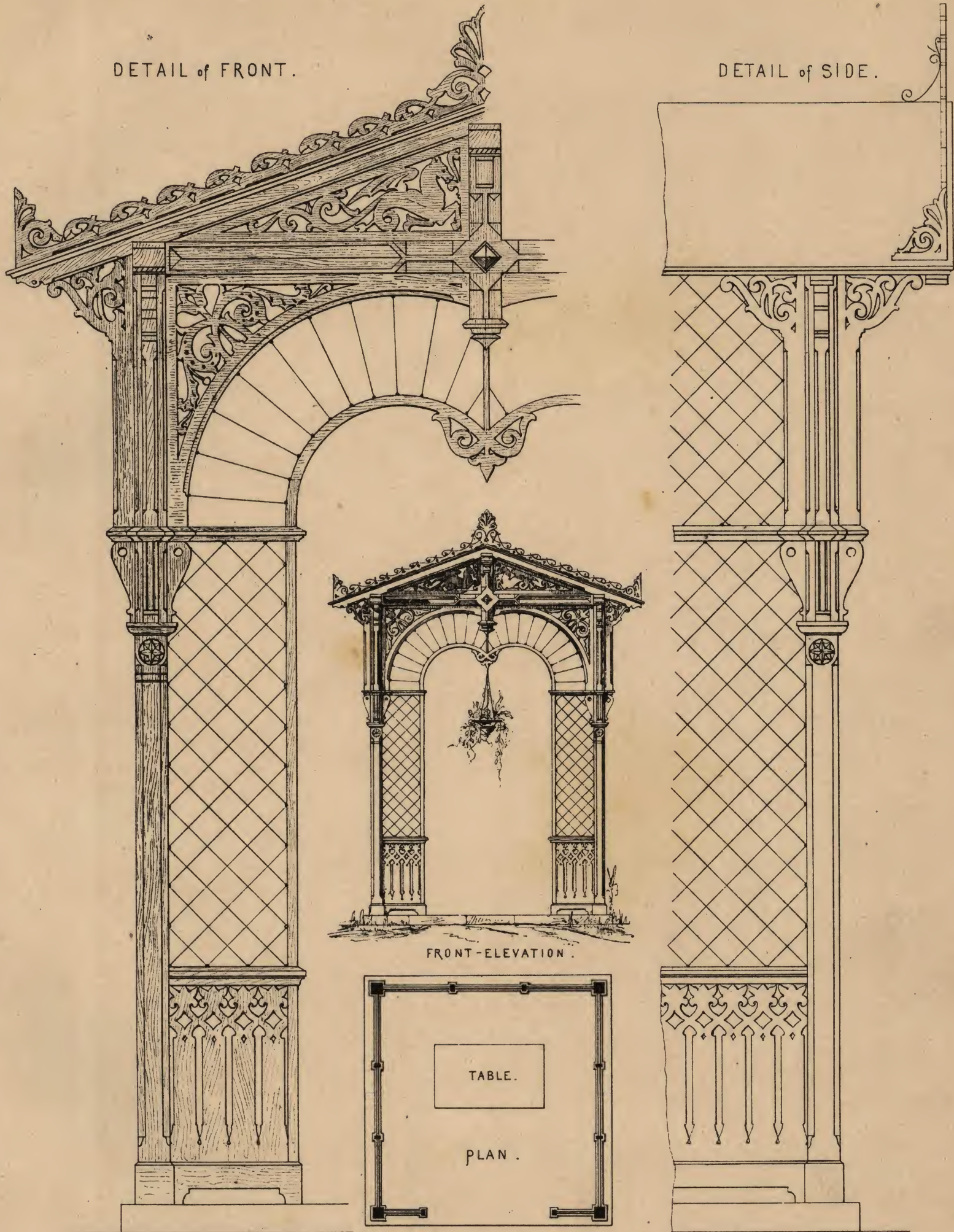
SCALE 1/16" TO A FOOT

E. A. SARGENT ARCHT.
93 BROADWAY N.Y.



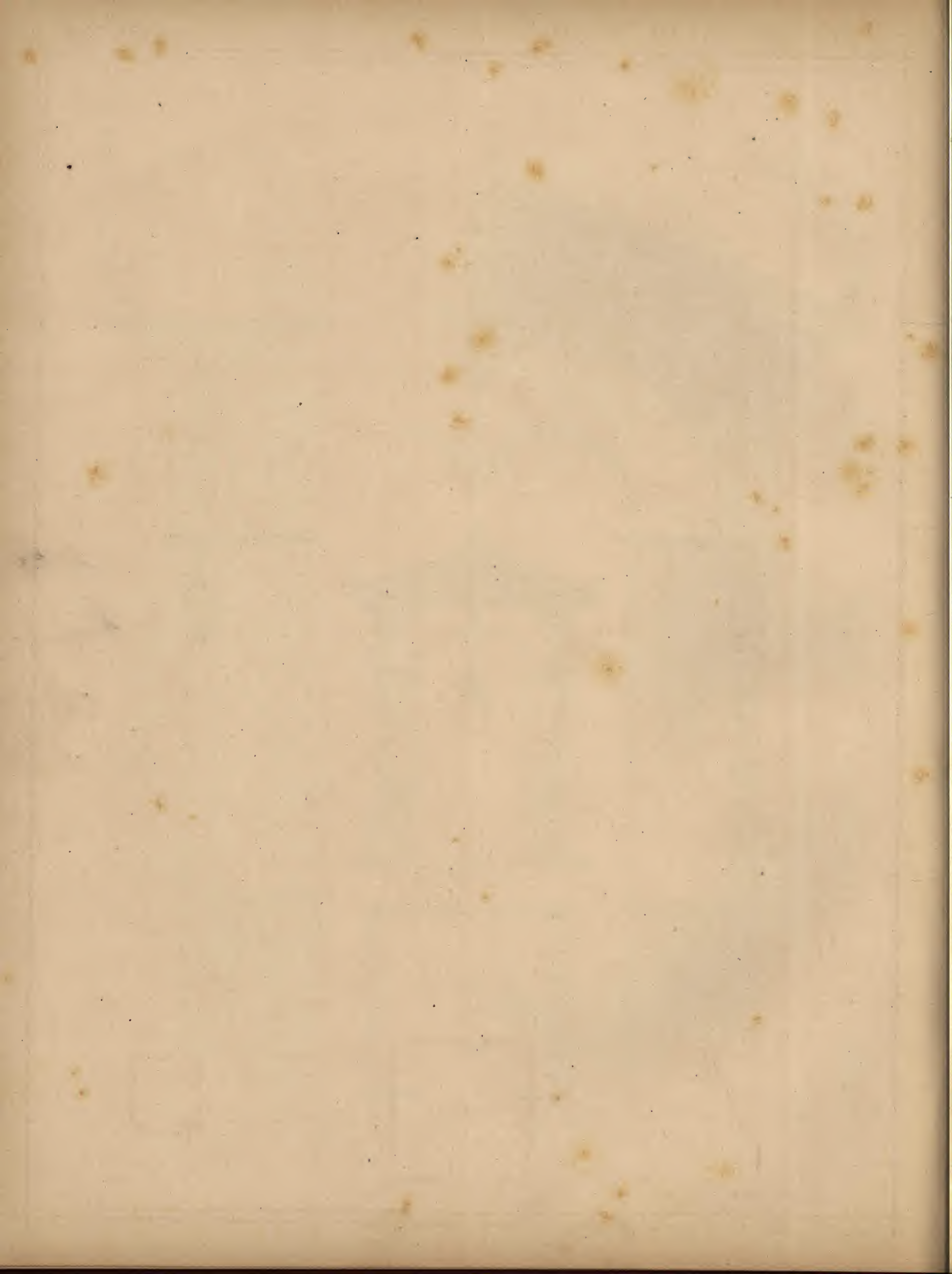
DETAIL of FRONT.

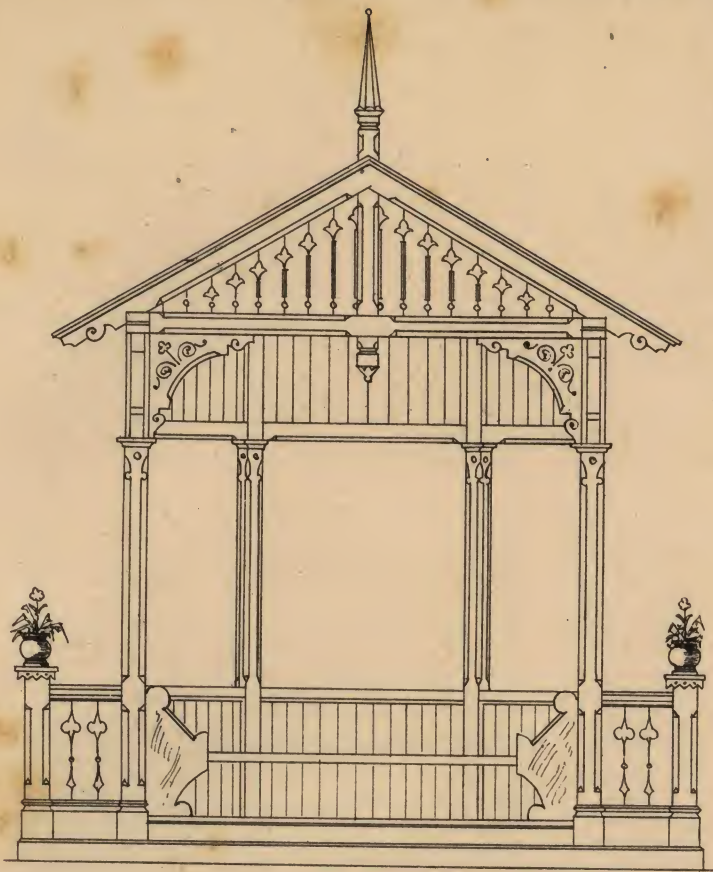
DETAIL of SIDE.



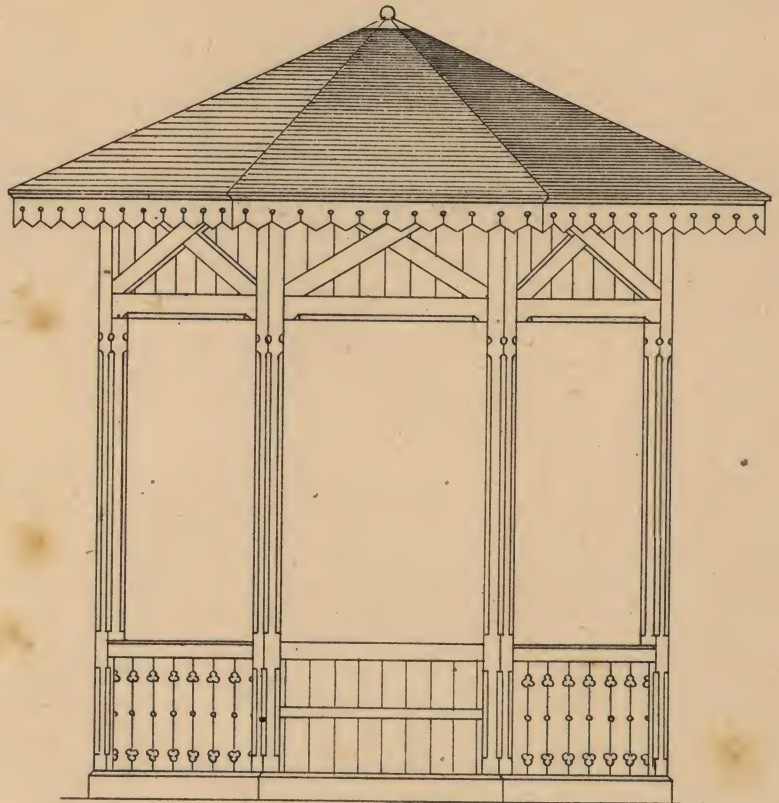
SCALE of ELEVATION and PLAN. SCALE of DETAILS.

W. B. Franklin, Architect.
Brooklyn, N. Y.

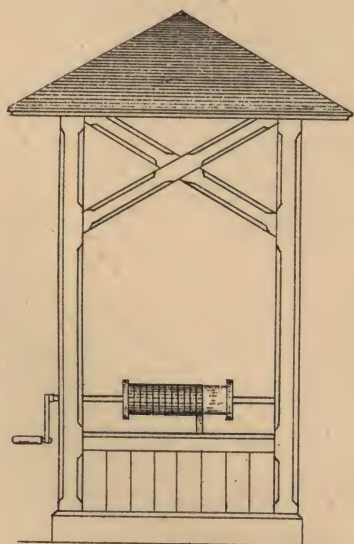
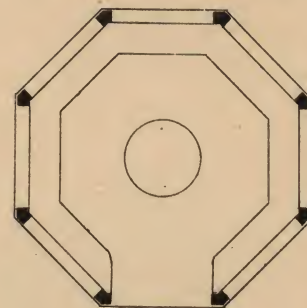
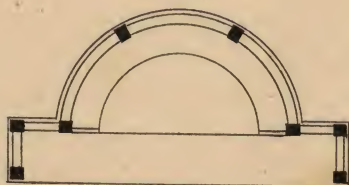




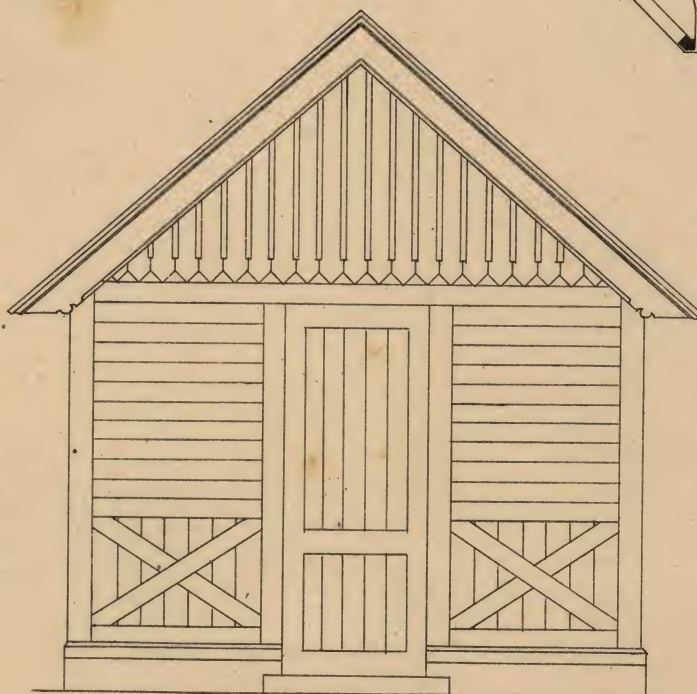
—134—
GARDEN SEAT.



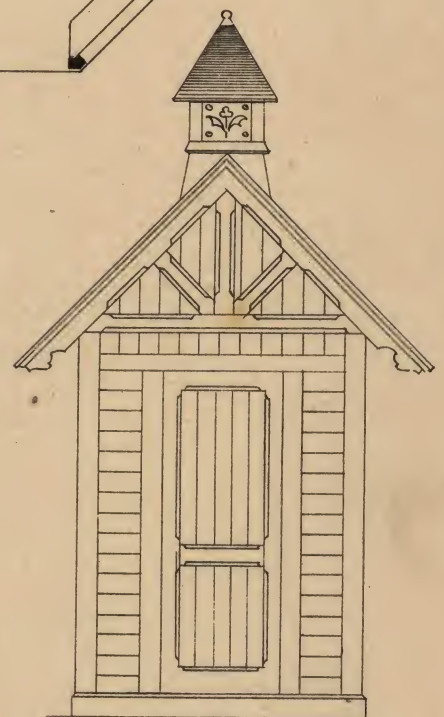
—135—
SUMMER HOUSE.



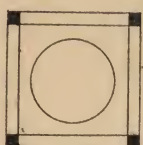
—136—
WELL HOUSE.



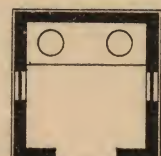
—137—



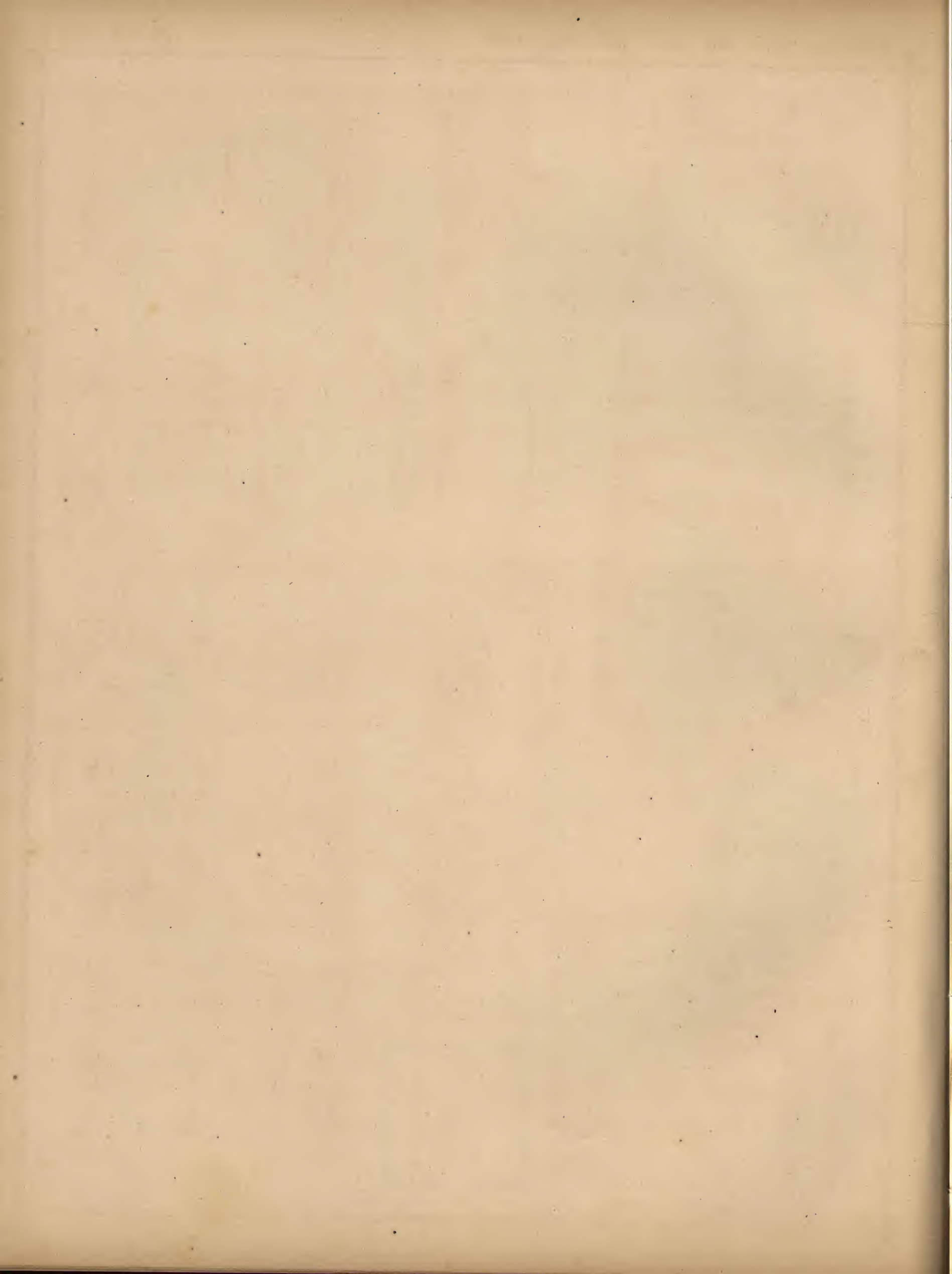
—138—
OUT HOUSE.

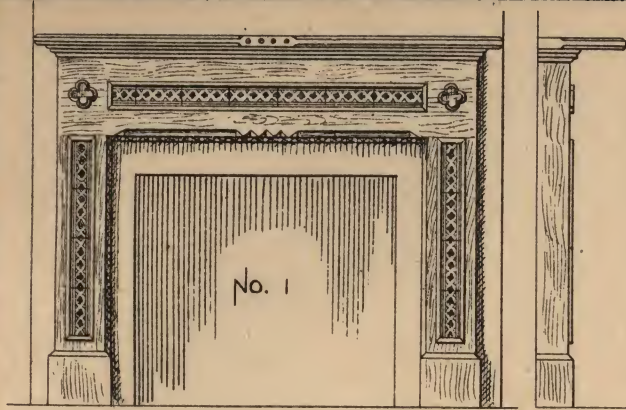


ICE HOUSE.

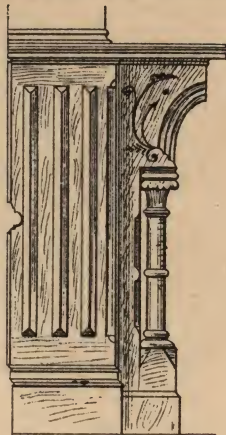


SCALE TO ELEVATIONS. — PLANS ONE HALF.

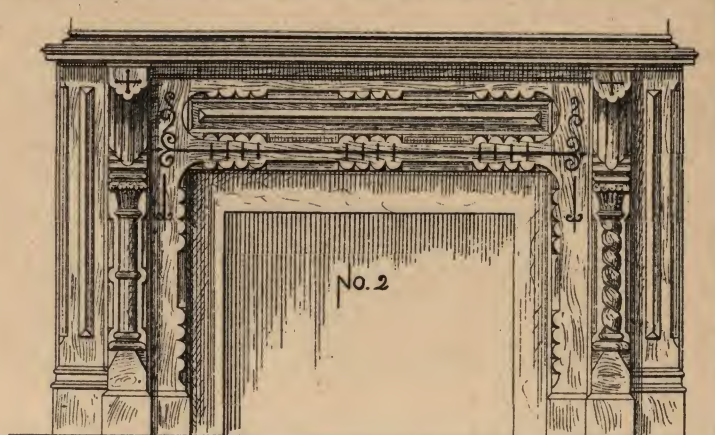




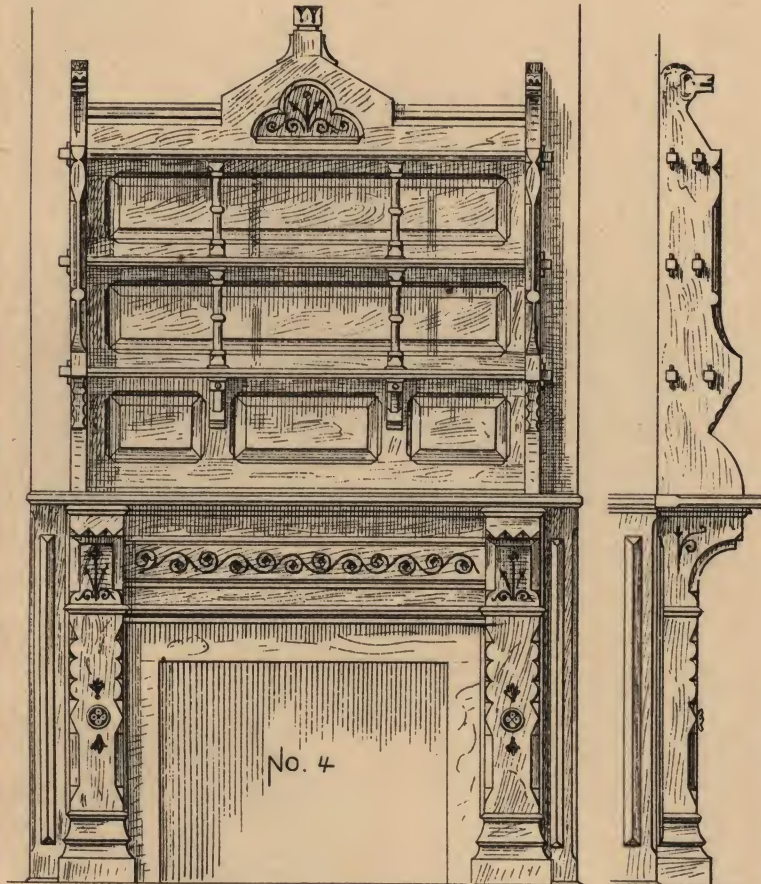
PLAIN MANTEL INLAID WITH TILES.



SIDE.



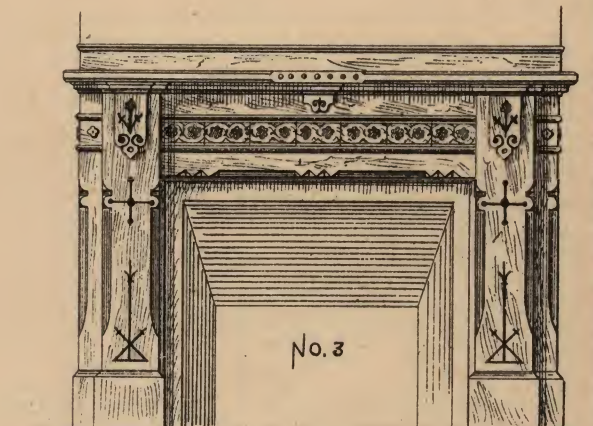
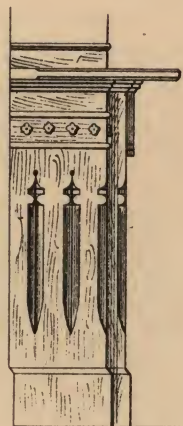
FRONT.



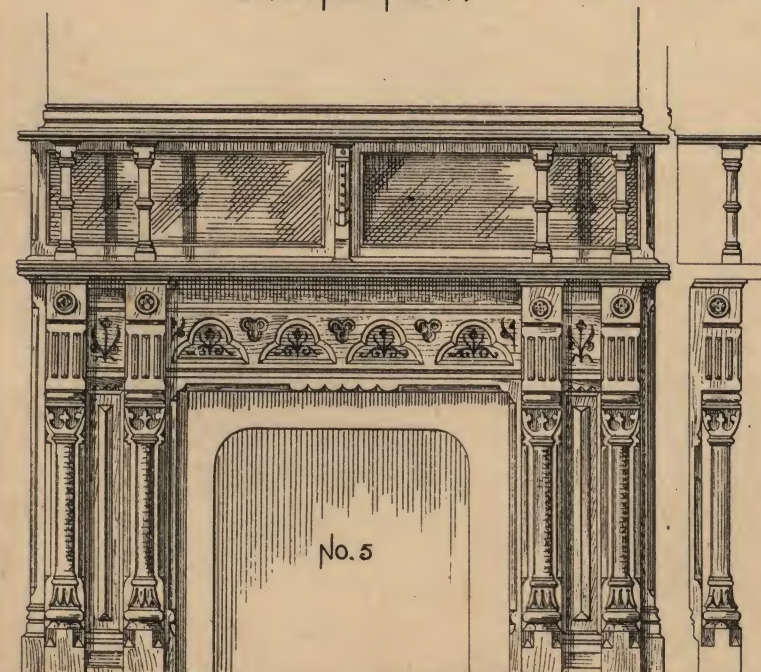
DINING ROOM MANTEL.

SCALE
1/2 TO THE FOOT.

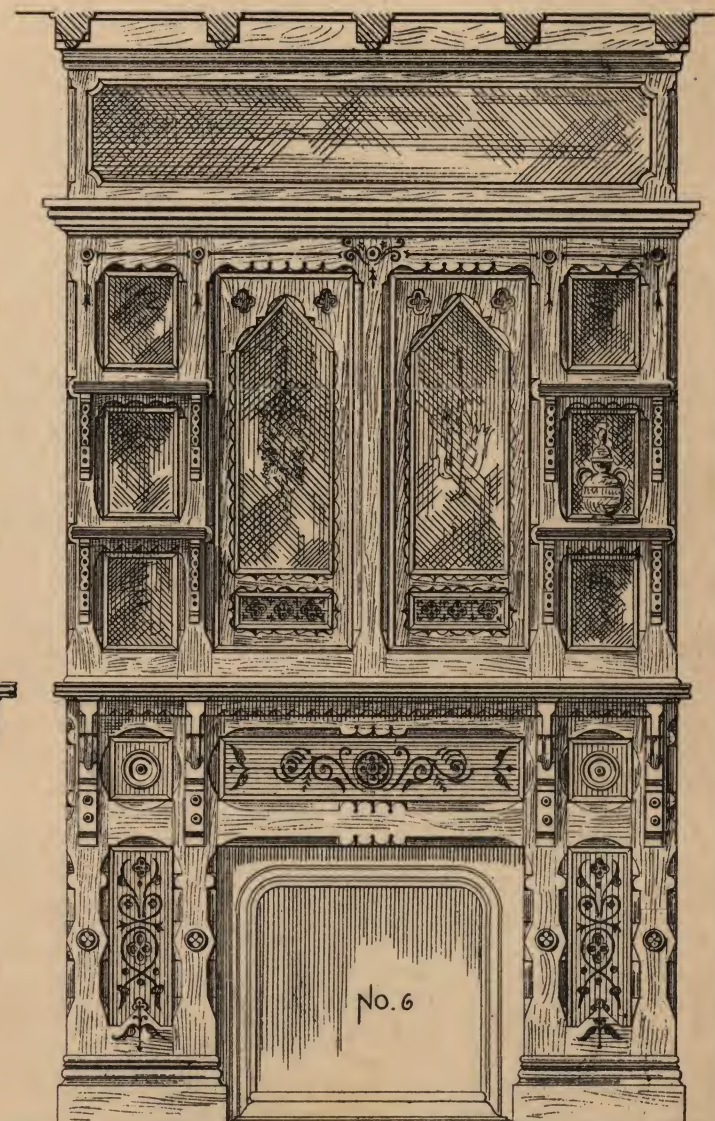
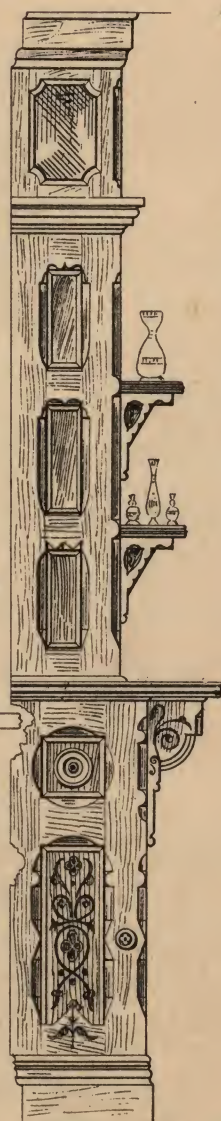
G. E. HARNEY
ARCHITECT
149 B'WAY. N.Y.



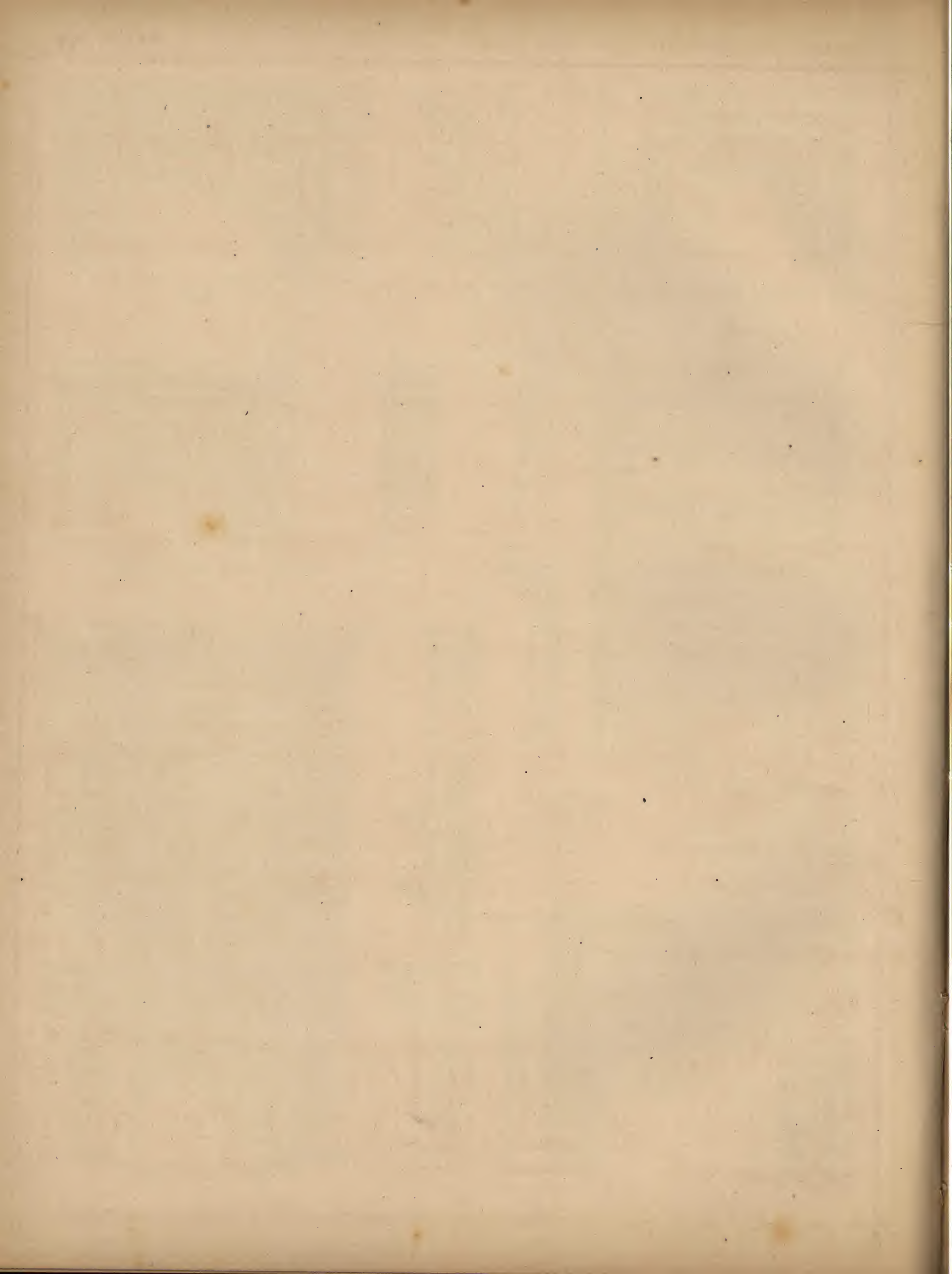
MANTEL WITH TILES IN FACE.

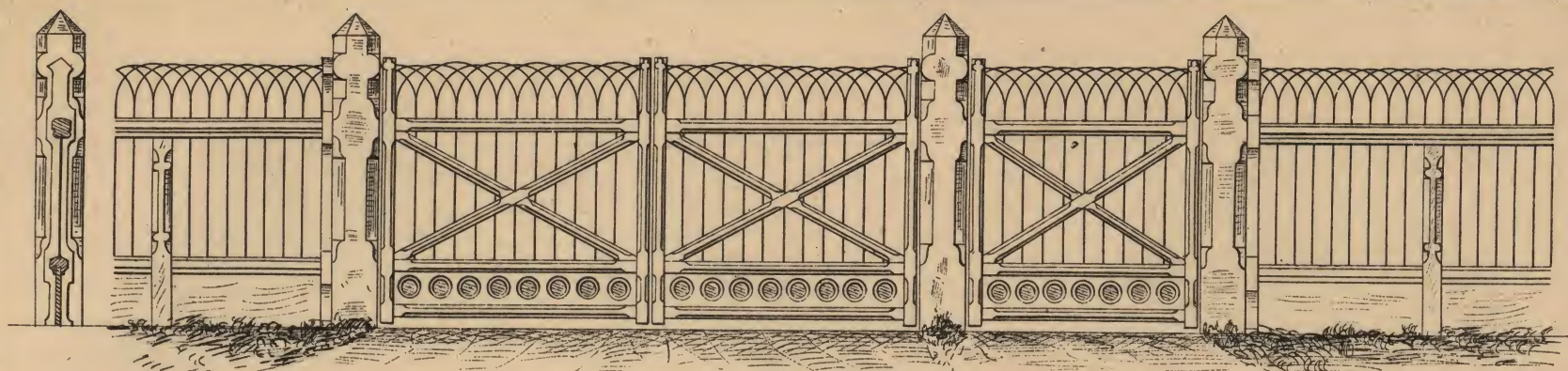


MANTEL WITH MIRRORS.



MANTEL WITH MIRRORS.



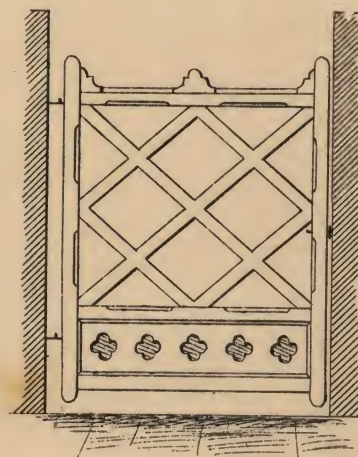


NO. 1. CARRIAGE GATEWAY AND FOOT GATE. POSTS OF STONE GATES AND FENCE OF WOOD AND IRON.



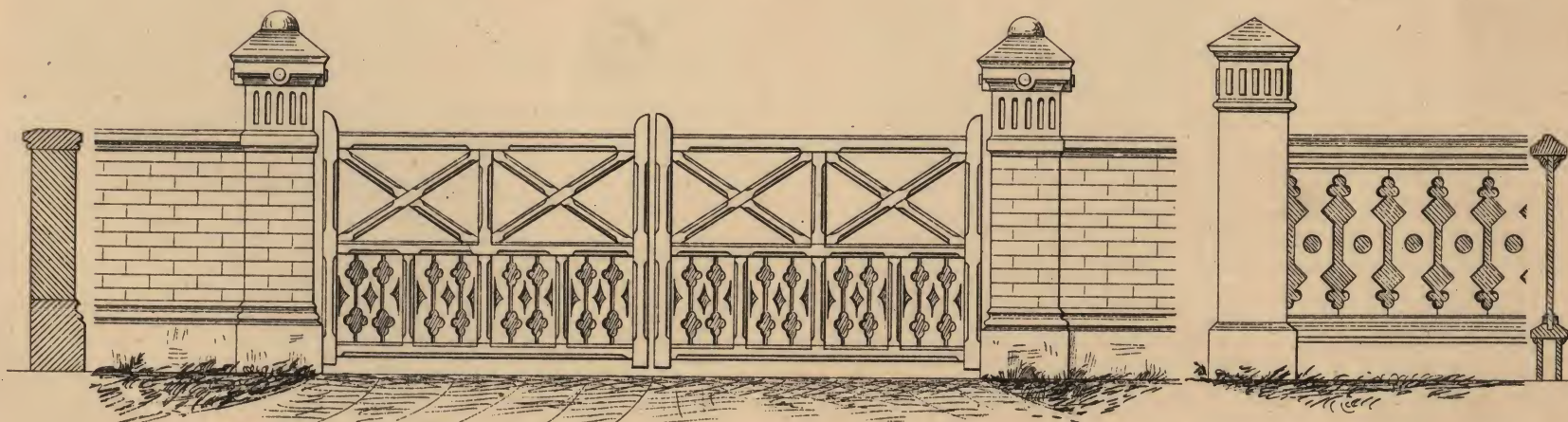
G.E. HARNEY ARCHITECT
149 B'WAY N.Y.

CARRIAGE GATEWAY. POSTS OF BRICK AND STONE. NO. 2.



NO. 3. FOOT GATE.

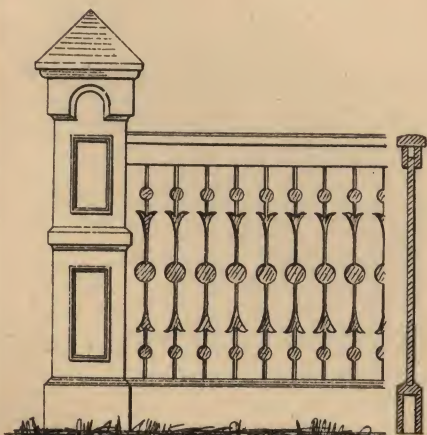
SCALE
3/8 OF AN INCH TO ONE FOOT.



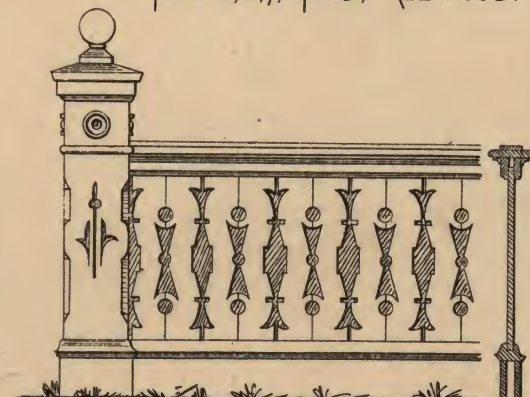
NO. 4. CARRIAGE GATEWAY. POSTS AND FENCE OF BRICK AND STONE.

NO. 5.

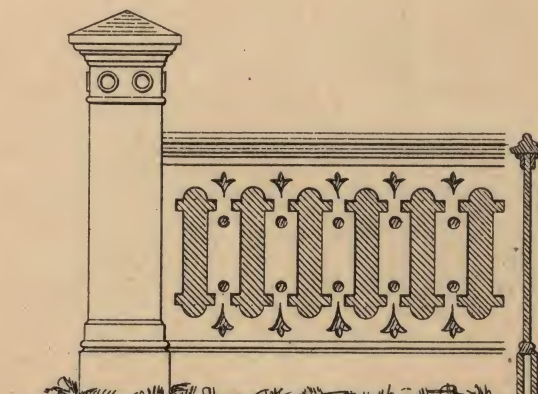
NO. 5, 6, 7, AND 8, ALL WOOD.



NO. 6.

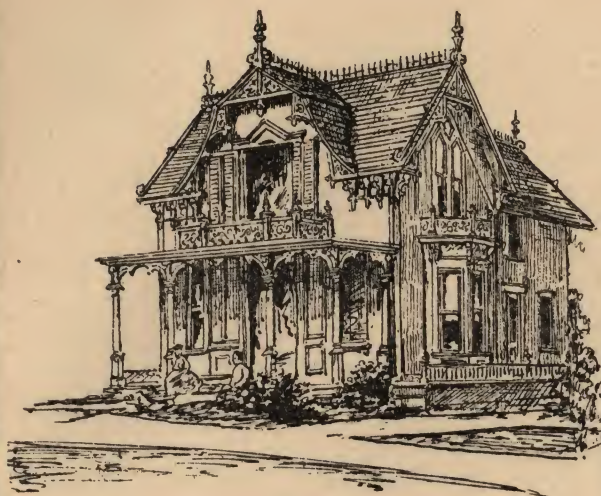


NO. 7.

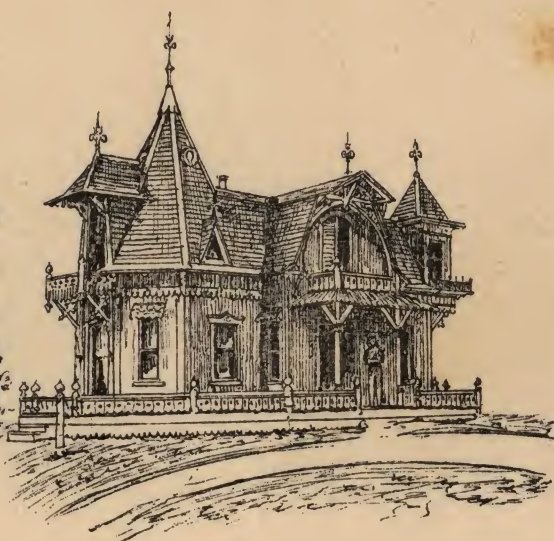


NO. 8.

SUMMER HOUSES



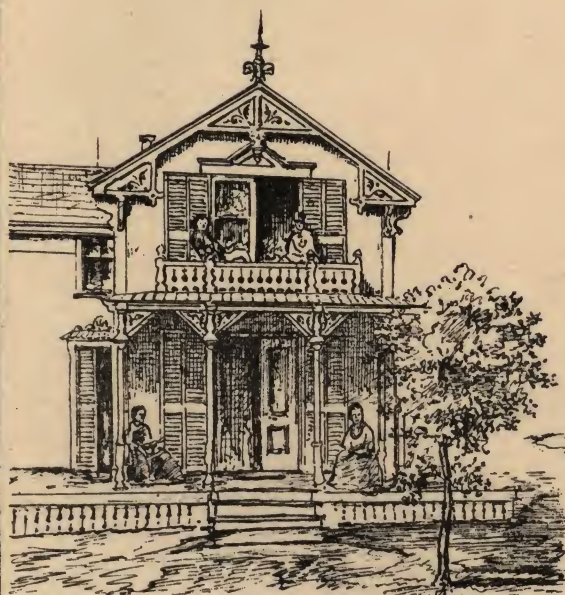
— 153 —



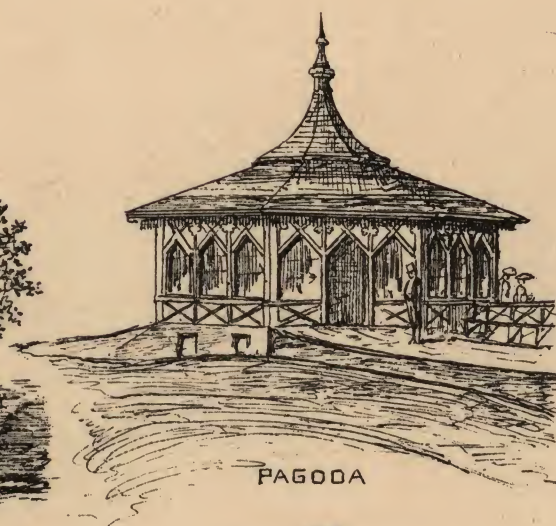
— 154 —



— 155 —

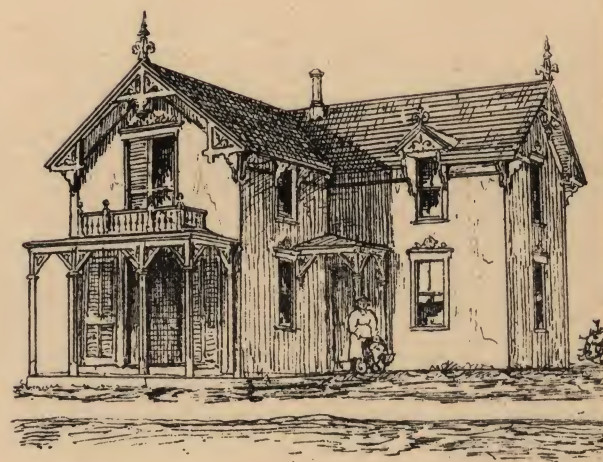


— 156 —



PAGODA

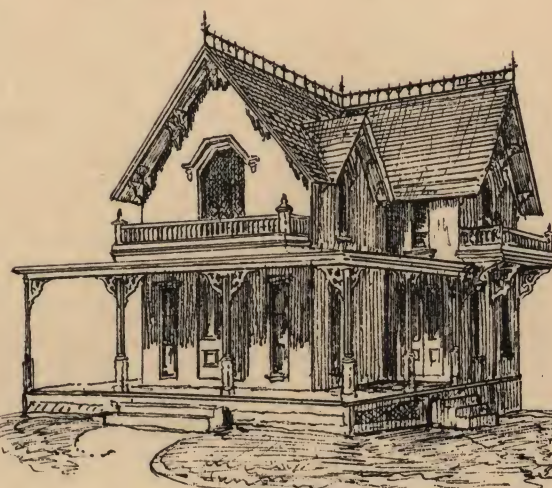
— 157 —



— 158 —



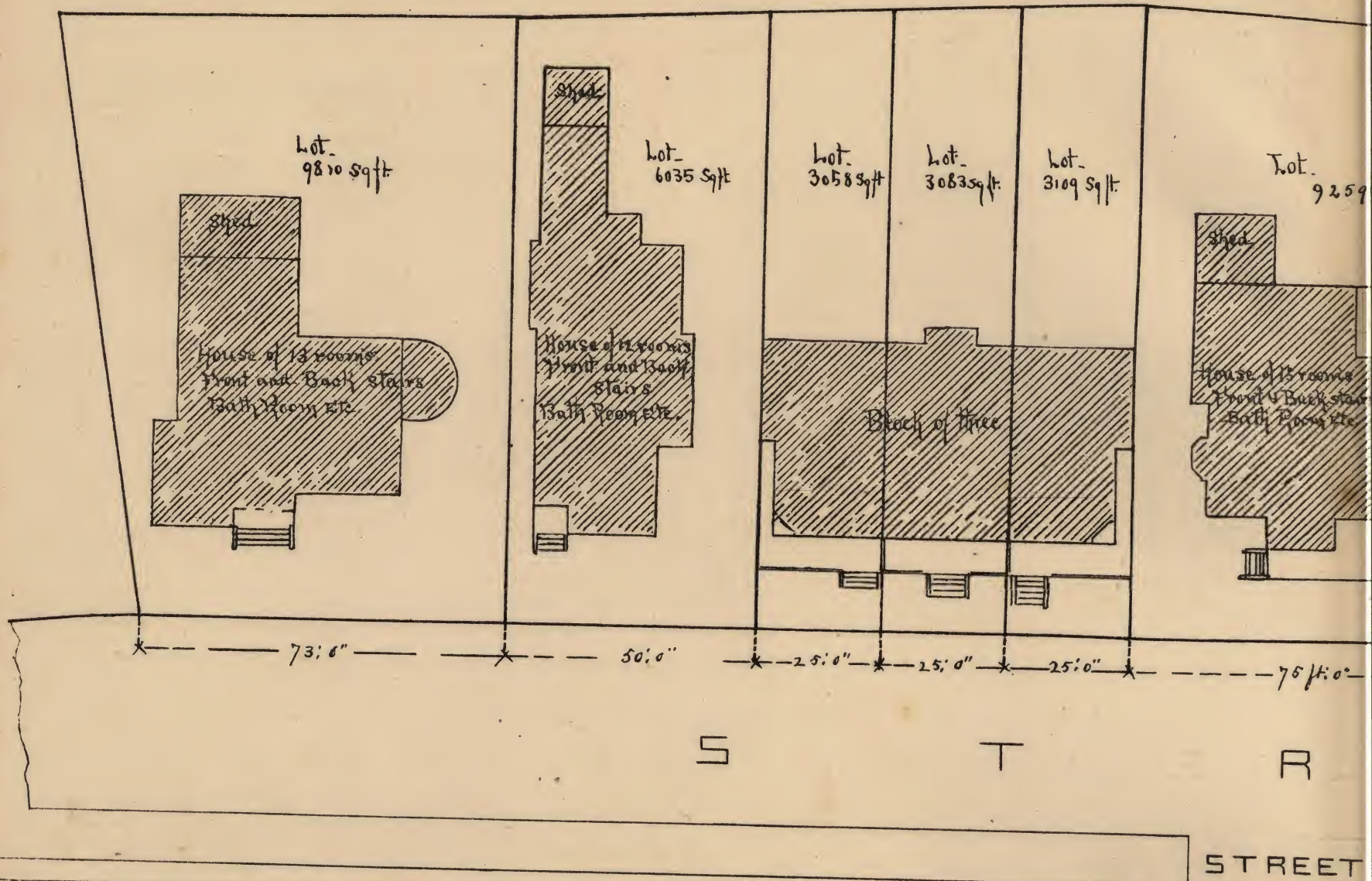
— 159 —



— 160 —



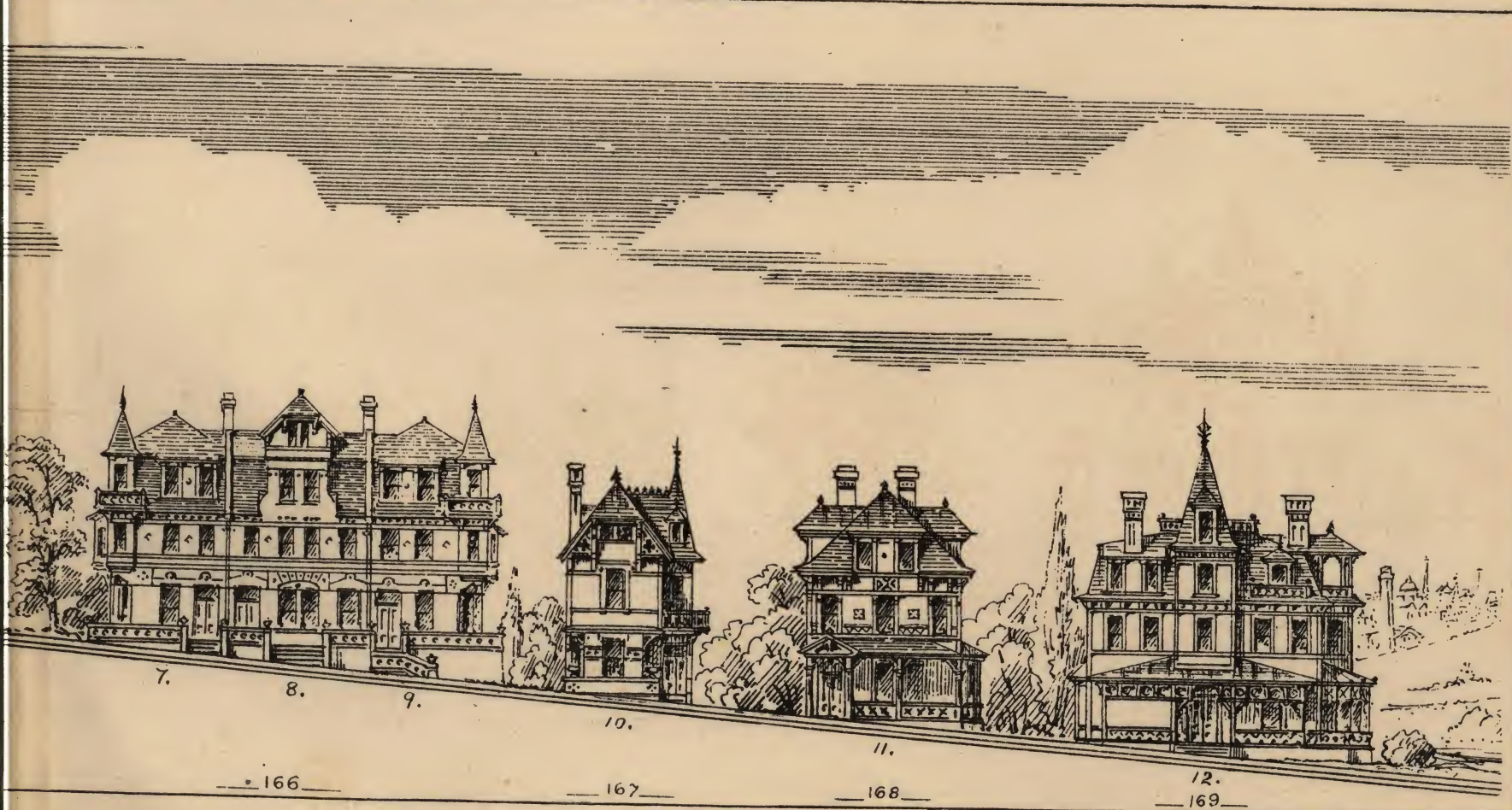
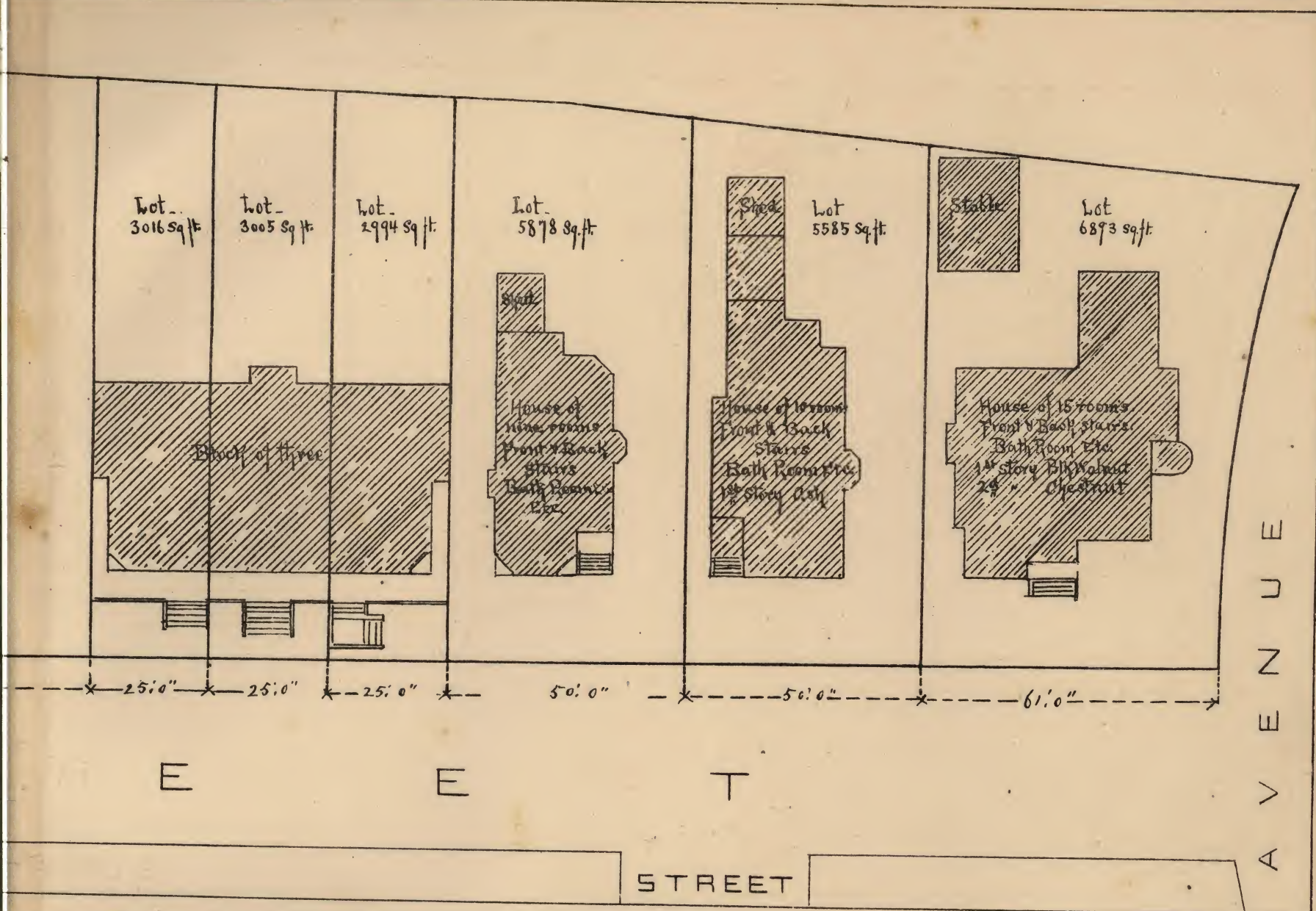
— 161 —

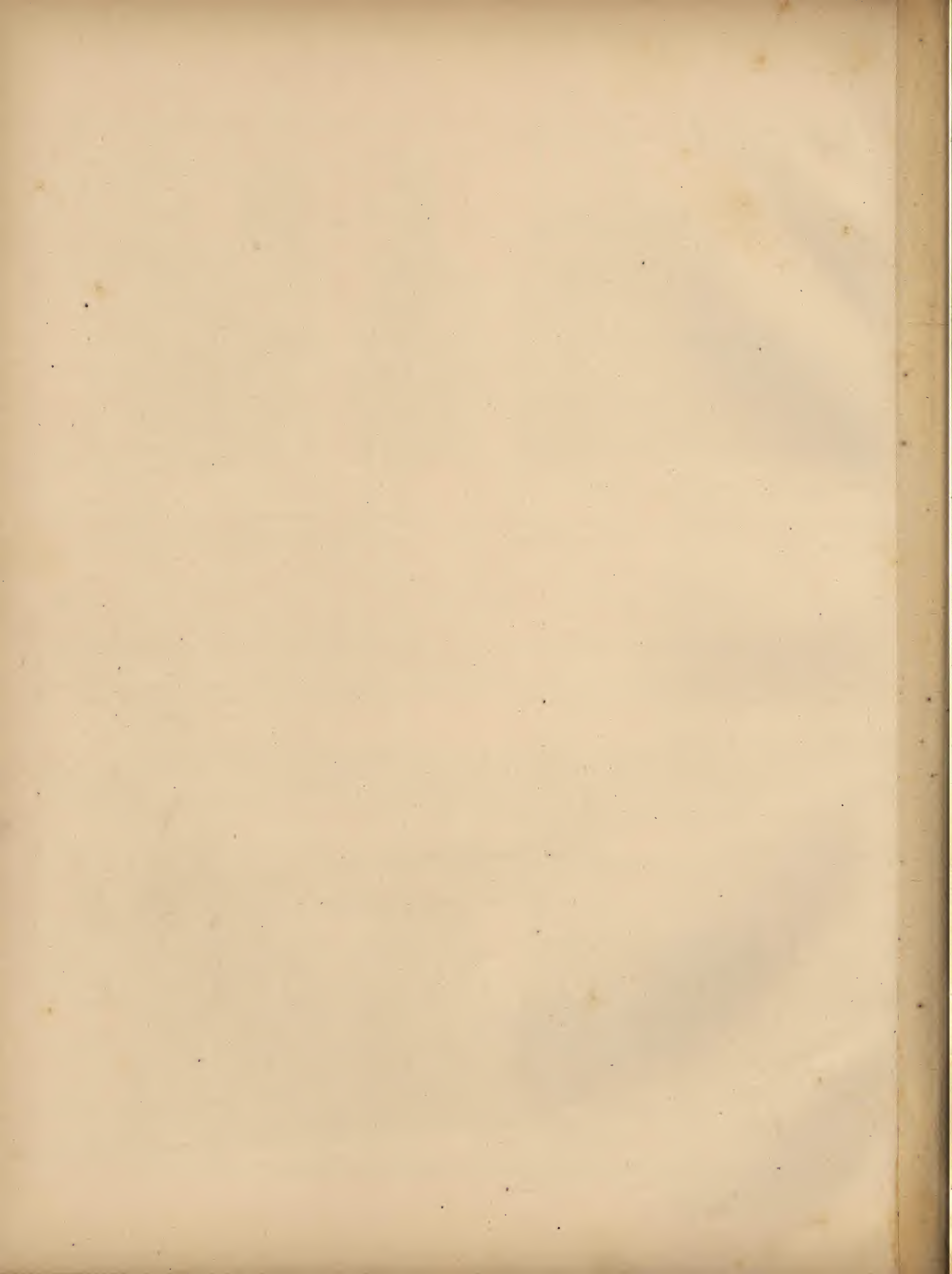


1. PUTNAM & TILDEN ARCHITECTS 1874

2. 3. 4. 5. 6.

PLAN AND VIEW OF STREET

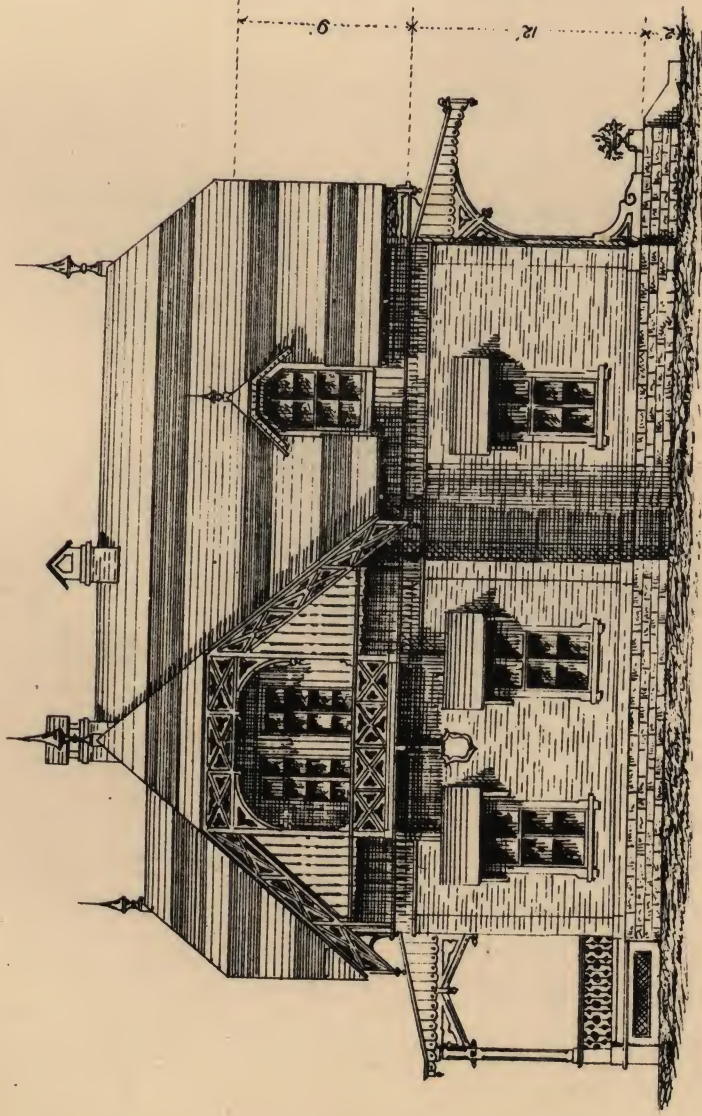




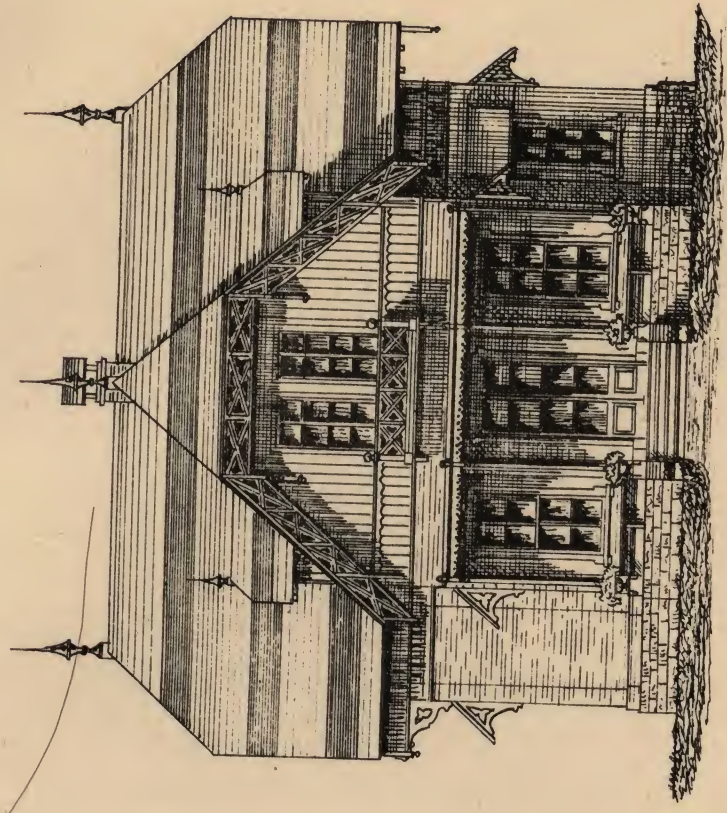
PLATES 150, 151,

Show a design for a Swiss lake cottage, which was originally prepared for a cottage containing a gardener's dwelling and a separate "*salon tete*," as the French term it, for the exclusive use of the proprietor of the mansion. The cottage is situated on the easterly slope of a heavy timber-grove, about 600 feet from the elegant summer residence, and 300 feet from the greenhouse and garden, forming a triangle, with its base near the top of the hill. The *salon* and its broad-covered veranda fronts toward a picturesque small mountain lake, a quarter of a mile long, surrounded and shaded with noble forest trees at intervals with the dense foliage of the sassafras and the dogwood. From the site of the cottage to the east the eye rests upon a most charming mountain scenery of solitary beauty, a lovely place to spend an afternoon or evening.

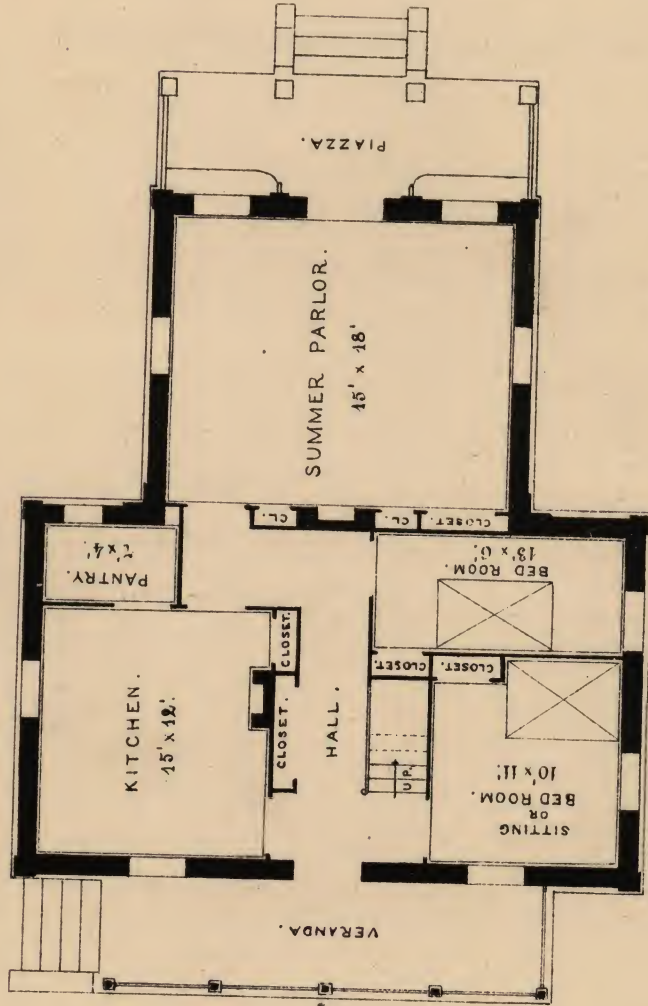
The gardener's rooms are located in the rear and the attic, but so arranged that if the parties occupying the *salon* desire to be waited upon by the gardener's wife or servants a connection is provided for direct communication with the gardener's apartments. Another desirable feature of the design is the use of the *salon tete* in winter. The proprietor, who spends the winter with his family in the City, occasionally calls at his summer residence for a day or two. The *salon* is then turned into a bed or living room, while the gardener's attention provides for the necessary comfort, etc.



SIDE ELEVATION.

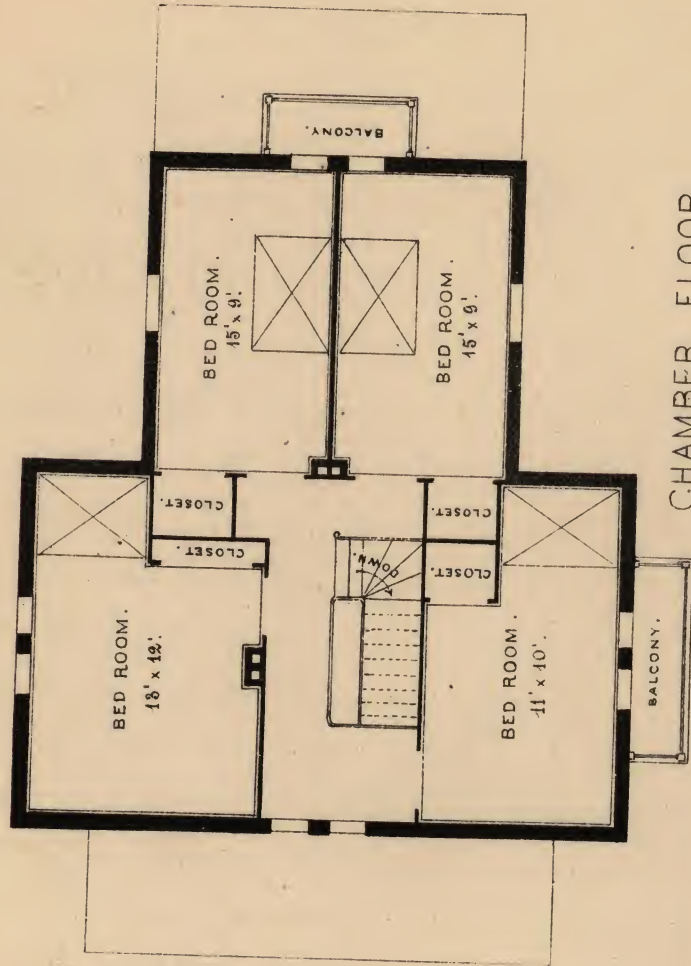


LAKE FRONT.



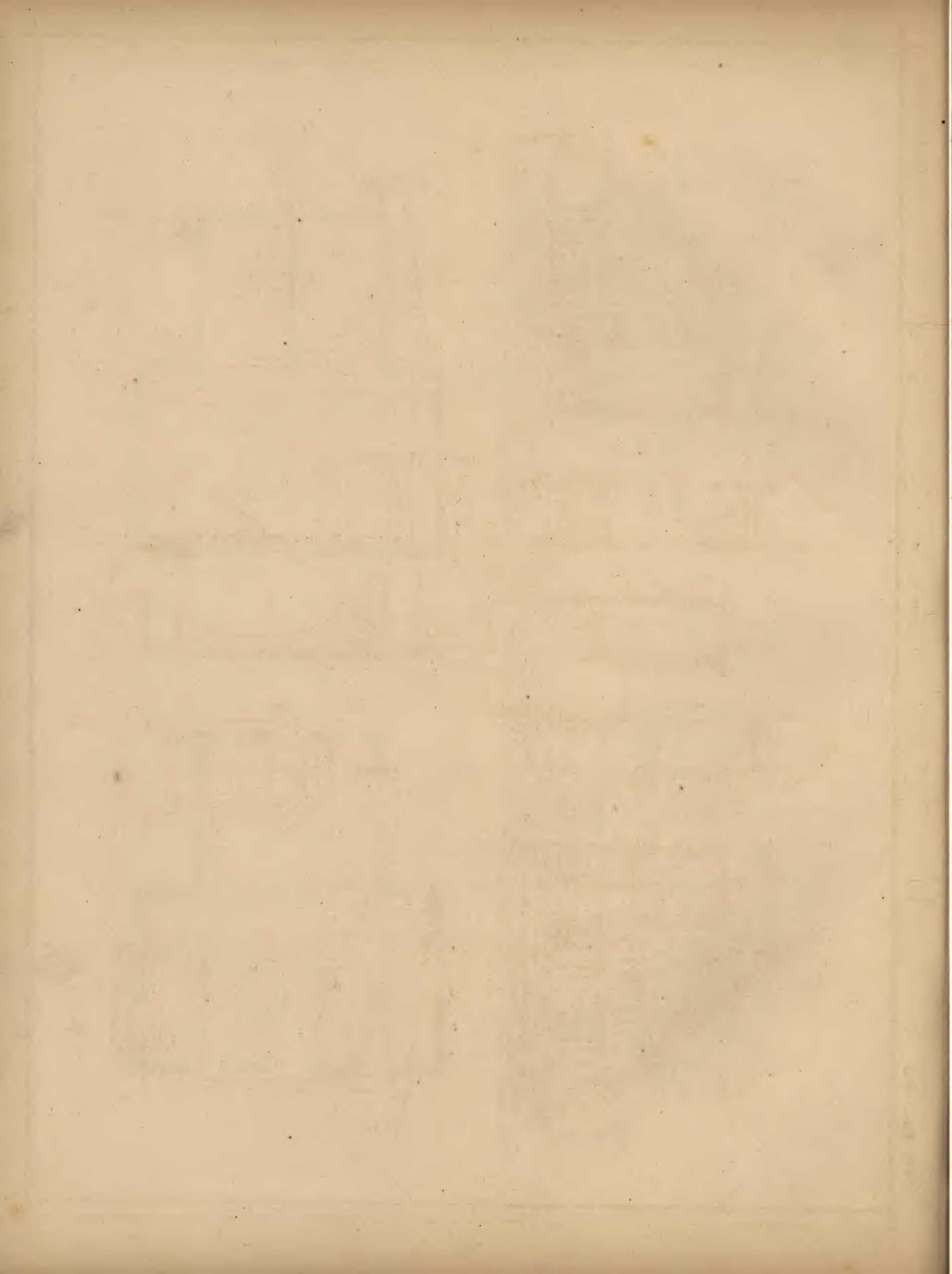
PRINCIPAL FLOOR.

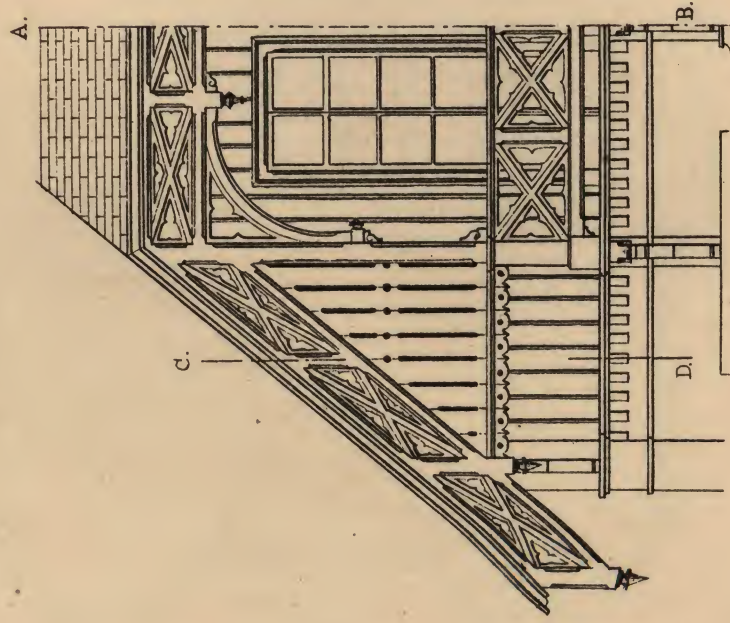
SCALE - 10 FEET TO 1 INCH.



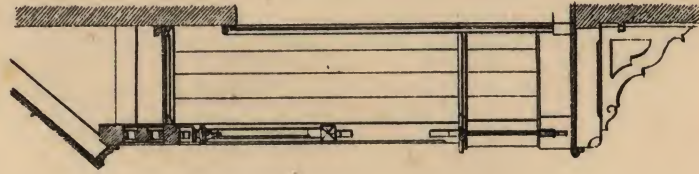
CHAMBER FLOOR.

J.W. EIDENMANN, ARCHITECT, 110 BROADWAY, N.Y.

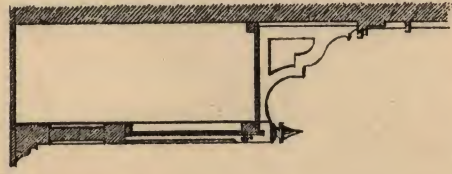




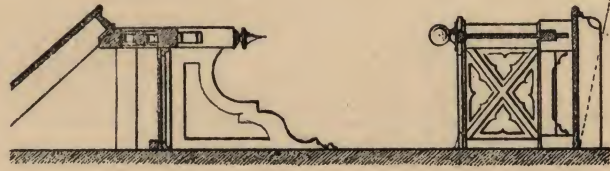
SIDE GABLE.



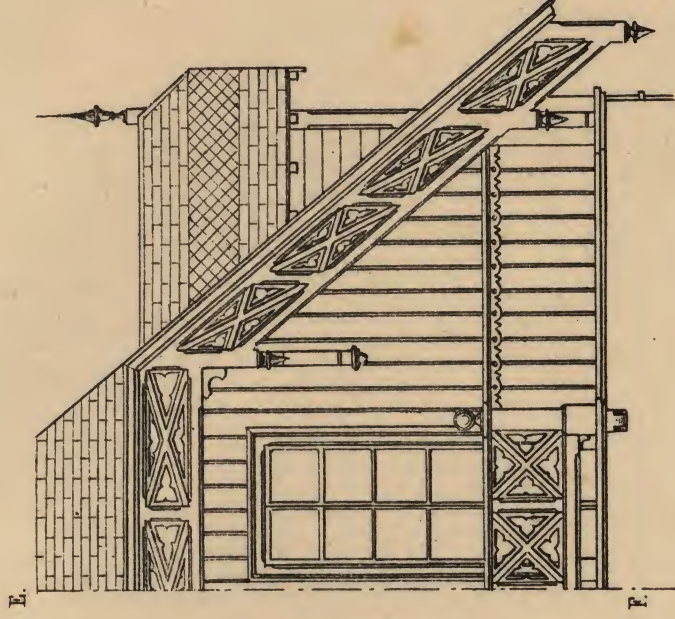
SECTION
ACROSS A.B.



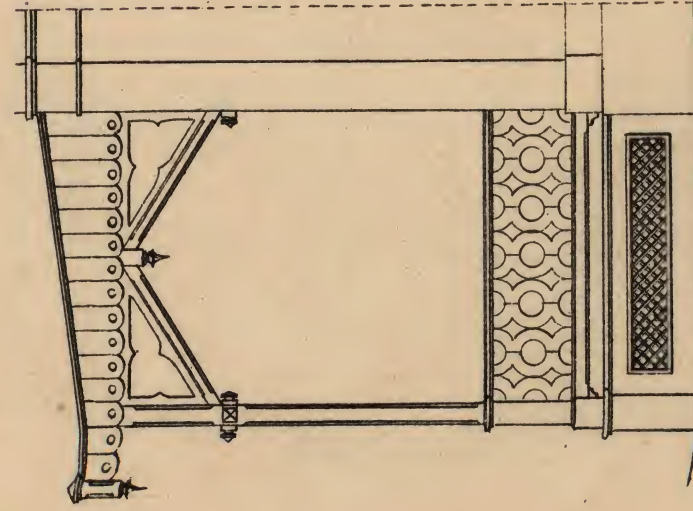
SECTION
ACROSS C.D.



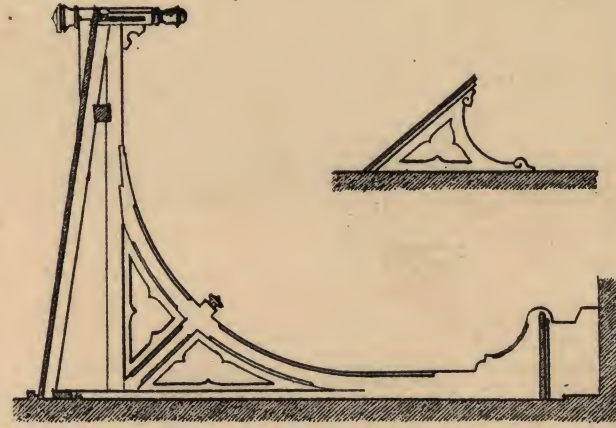
SECTION
ACROSS E.F.



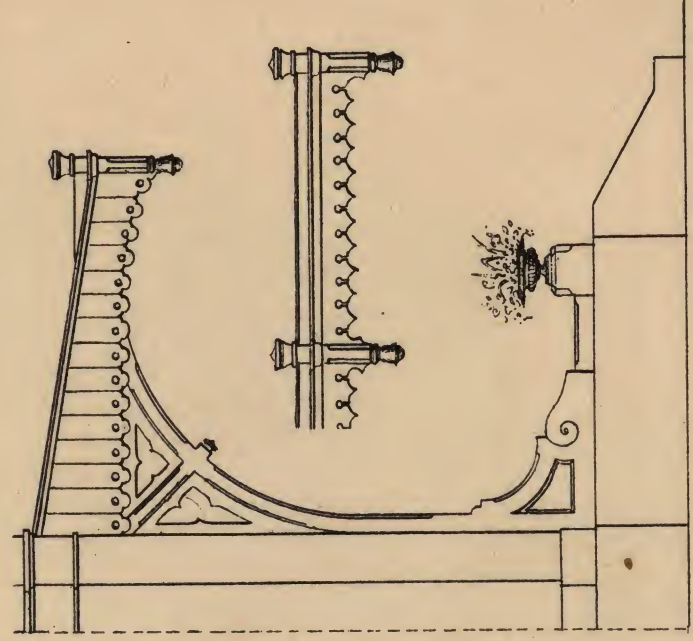
FRONT GABLE.



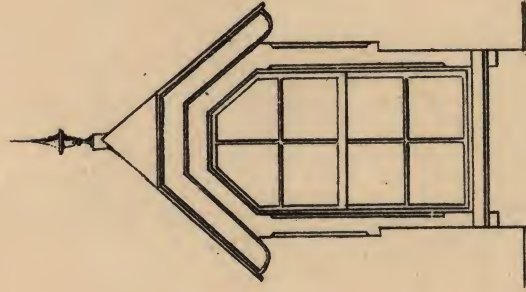
VERANDA.



SECTION
ACROSS PIAZZA.



PIAZZA.

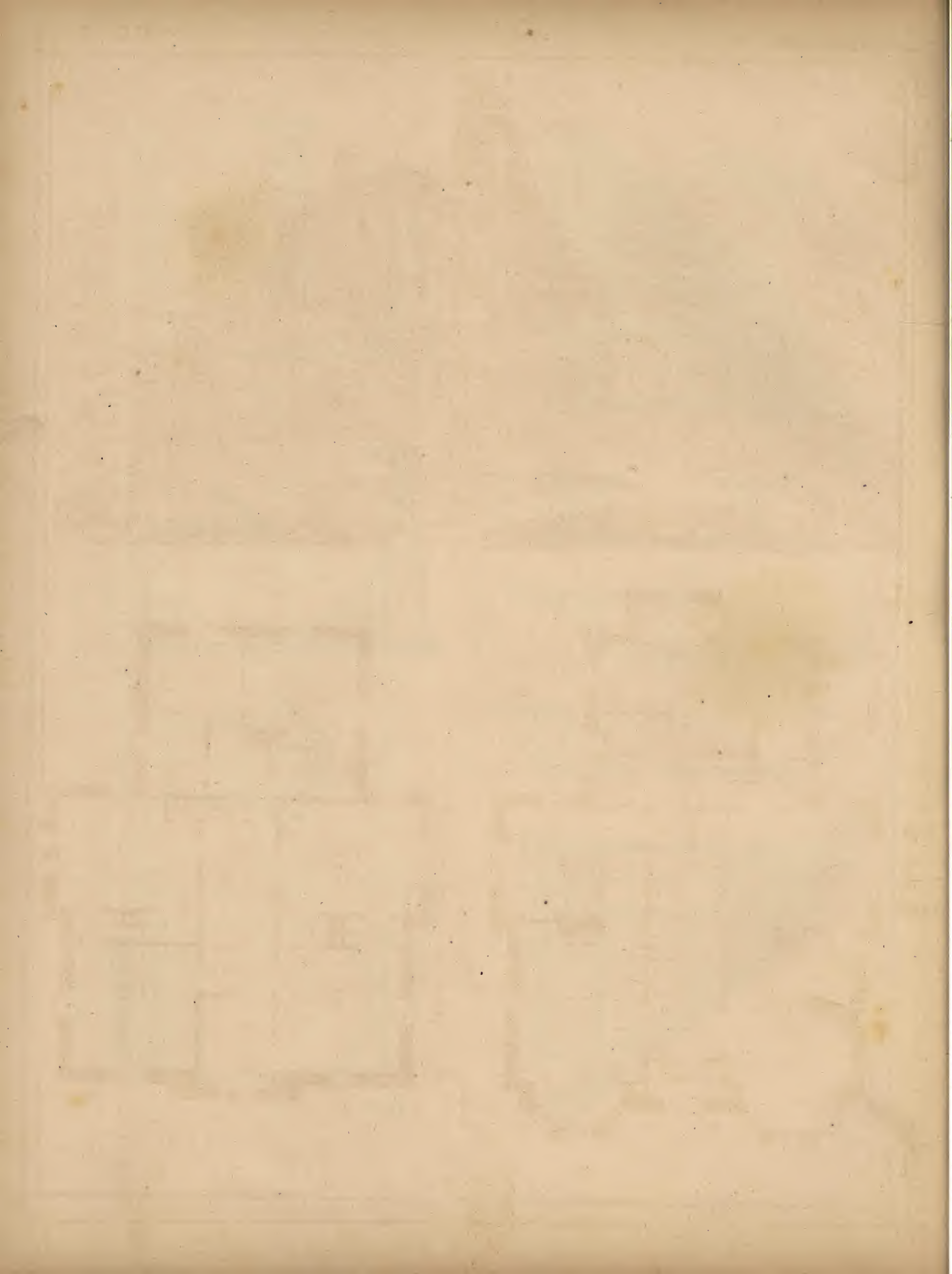


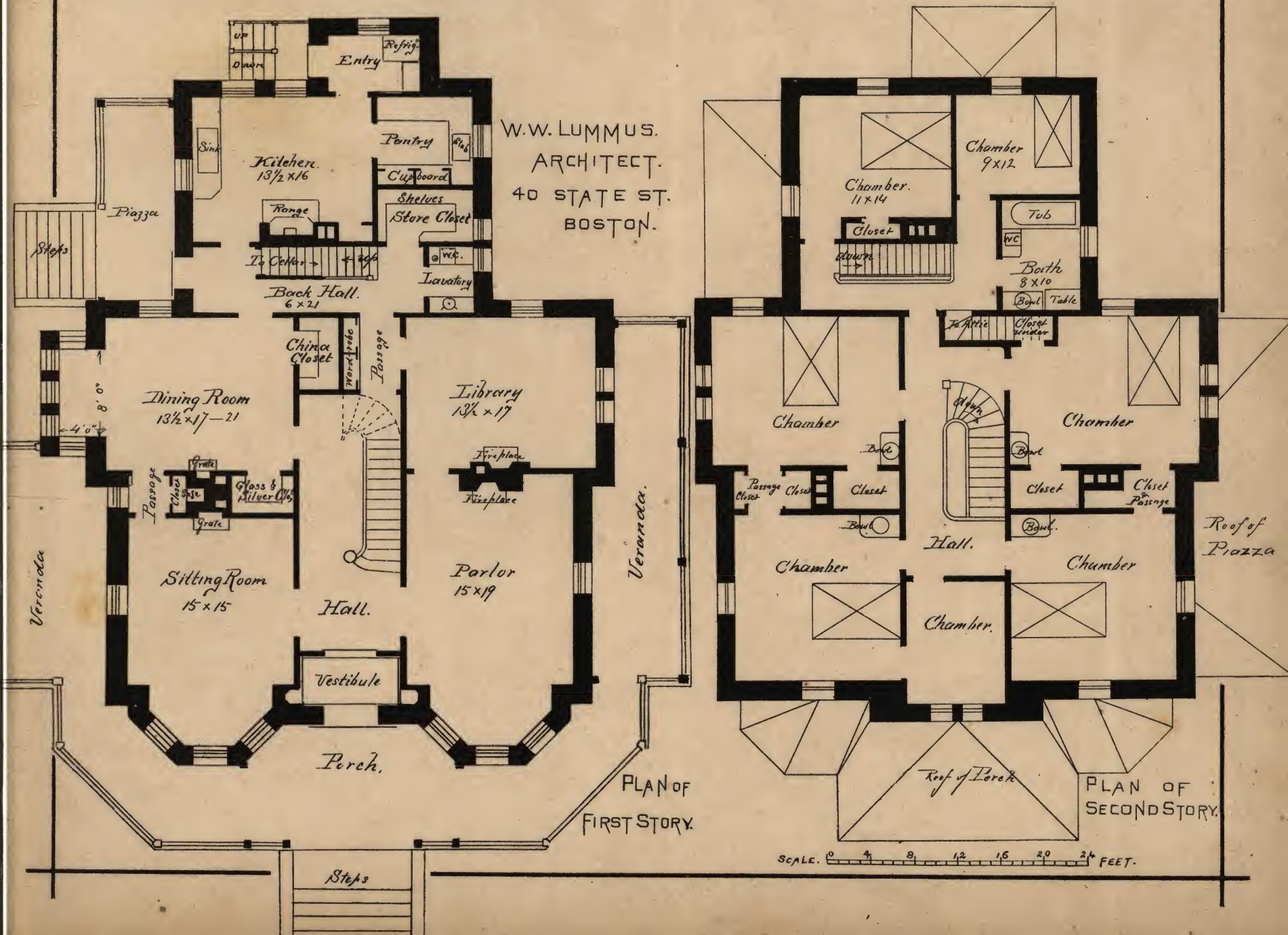
DORMER WINDOW.



WINDOW HOOD.

SCALE = 4 FEET TO 1 INCH.





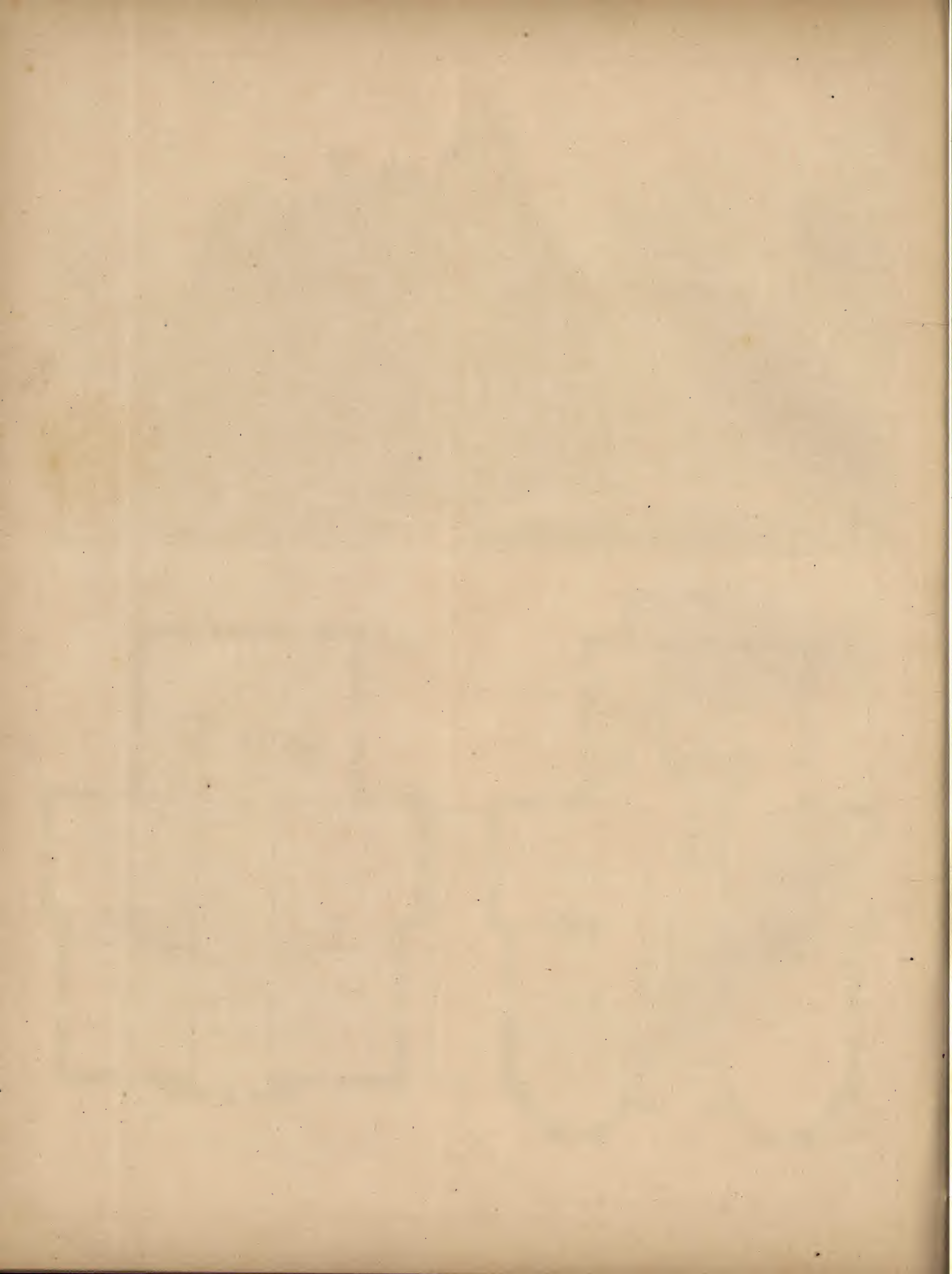
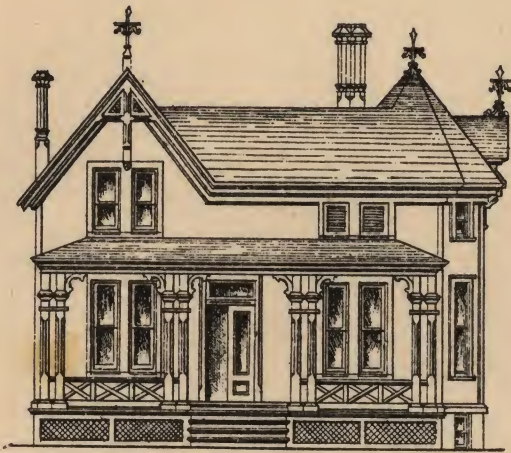


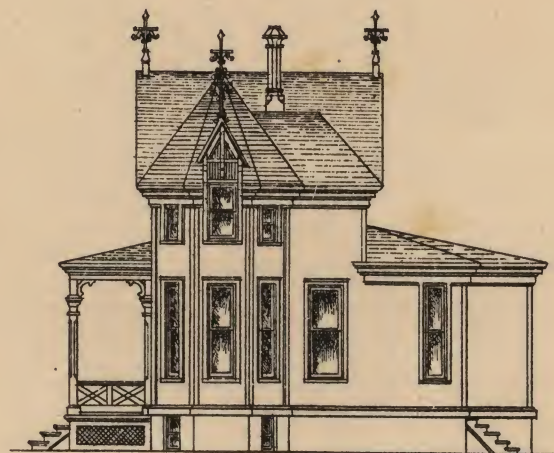
PLATE 153,

Shows plans and elevations of a cottage villa—brick foundations, cellar under whole house—pine finish throughout, and back plastered between studs for warmth.

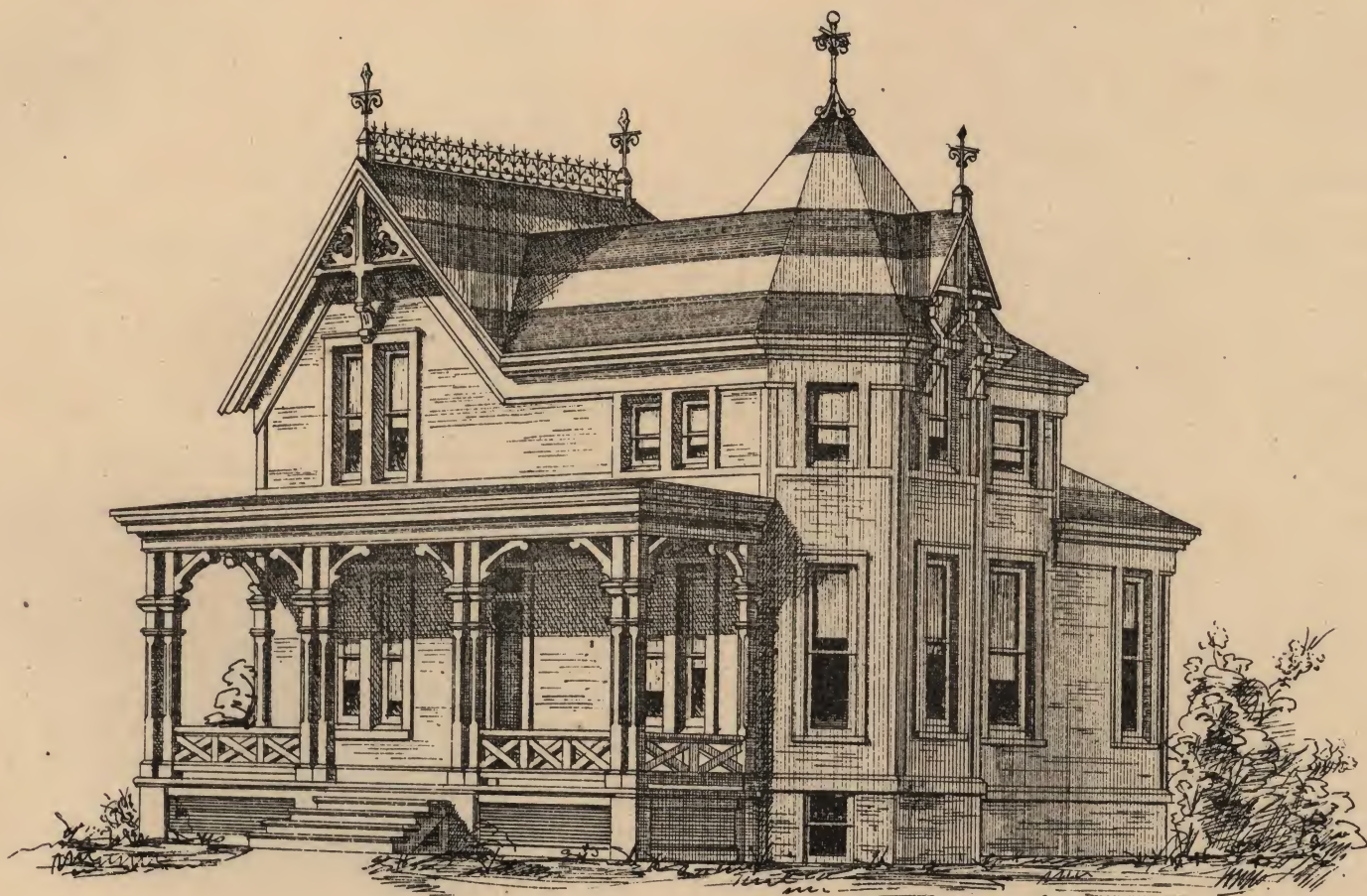




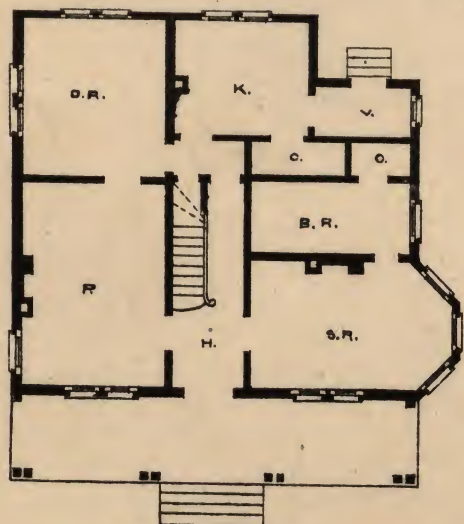
FRONT



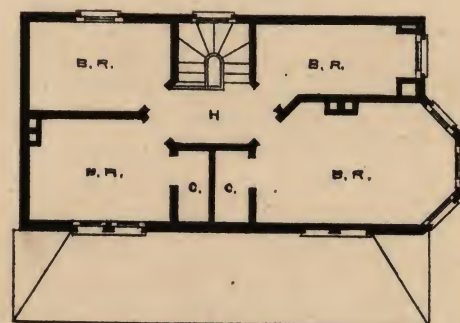
SIDE



PERSPECTIVE VIEW



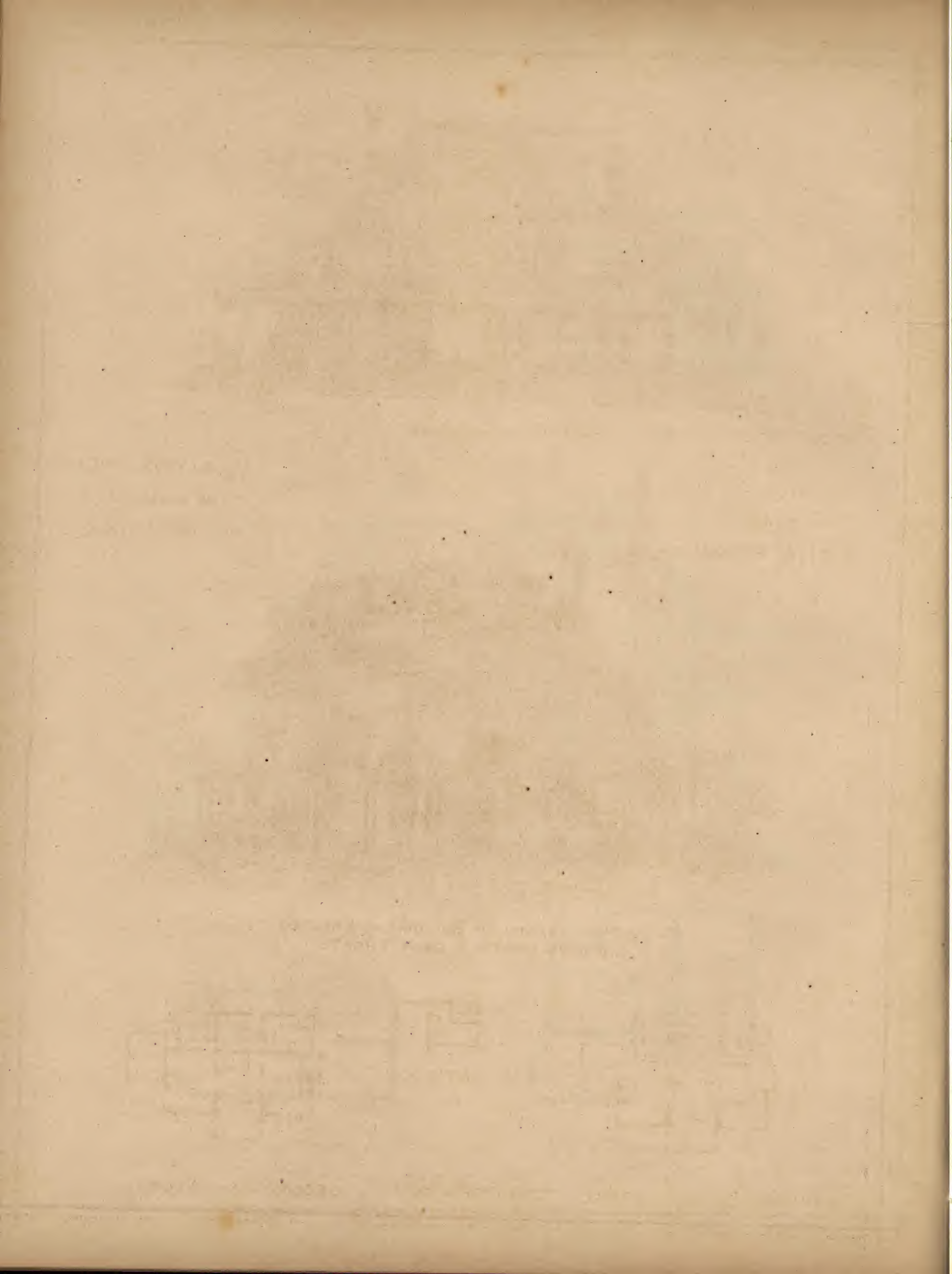
FIRST STORY

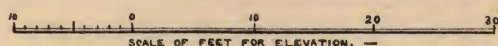
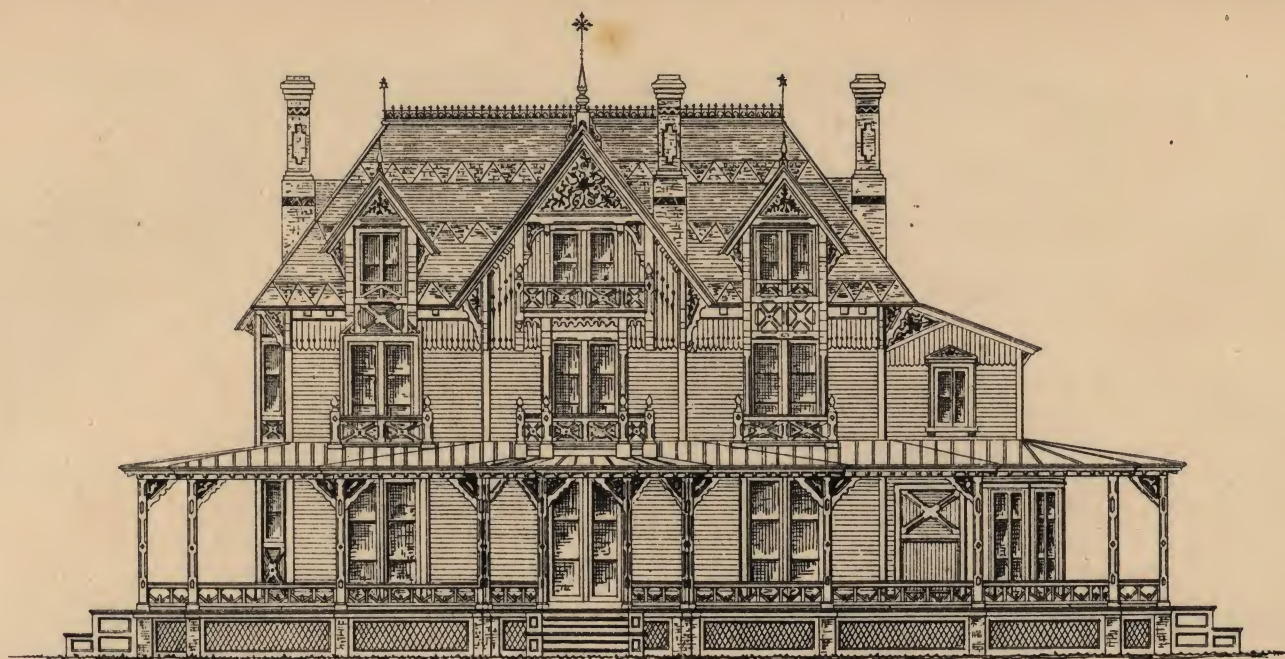


SECOND STORY

SCALE $\frac{1}{16}$ IN. = 1 FT.

W.M. WOOLLETT, ARCHT.

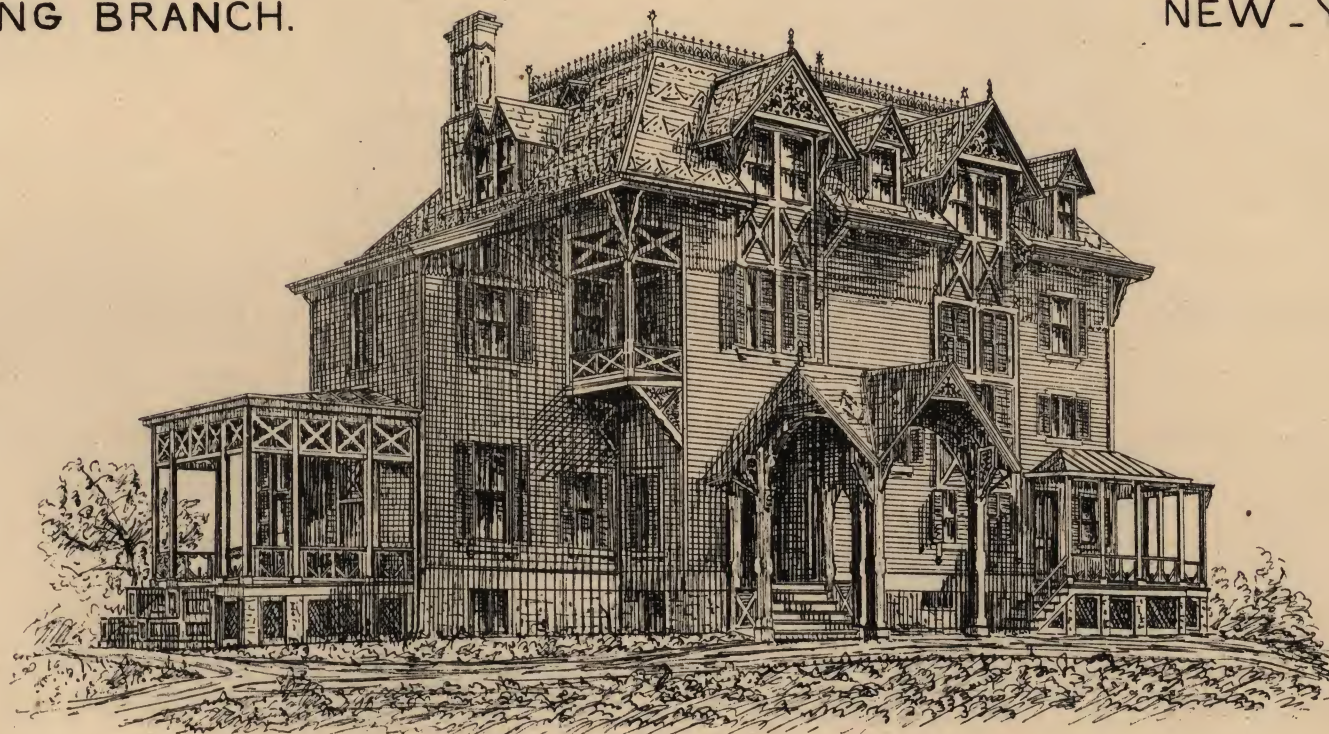




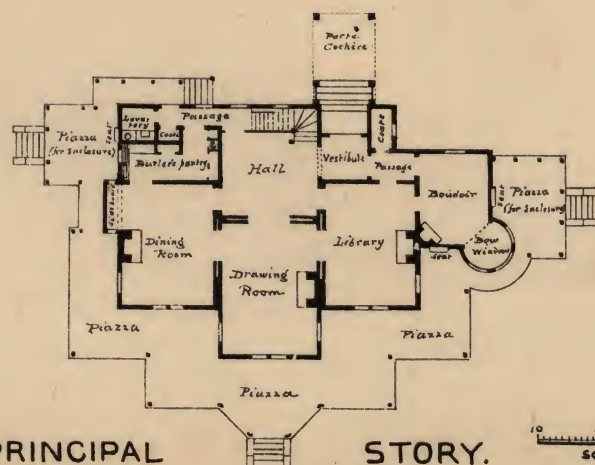
SOUTH FRONT TOWARDS OCEAN.

VILLA,
NEAR
LONG BRANCH.

A. J. BLOOR, ARCHT.,
128 BROADWAY,
NEW-YORK.



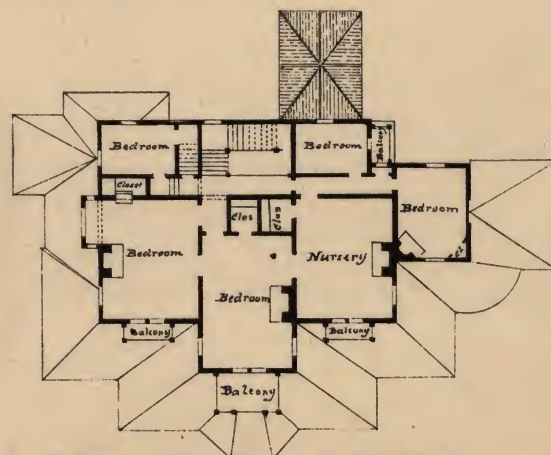
FROM PHOTOGRAPH OF BUILDING AS ERECTED,
SHOWING NORTH & EAST FRONTS.



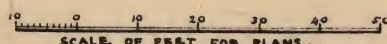
PRINCIPAL STORY.

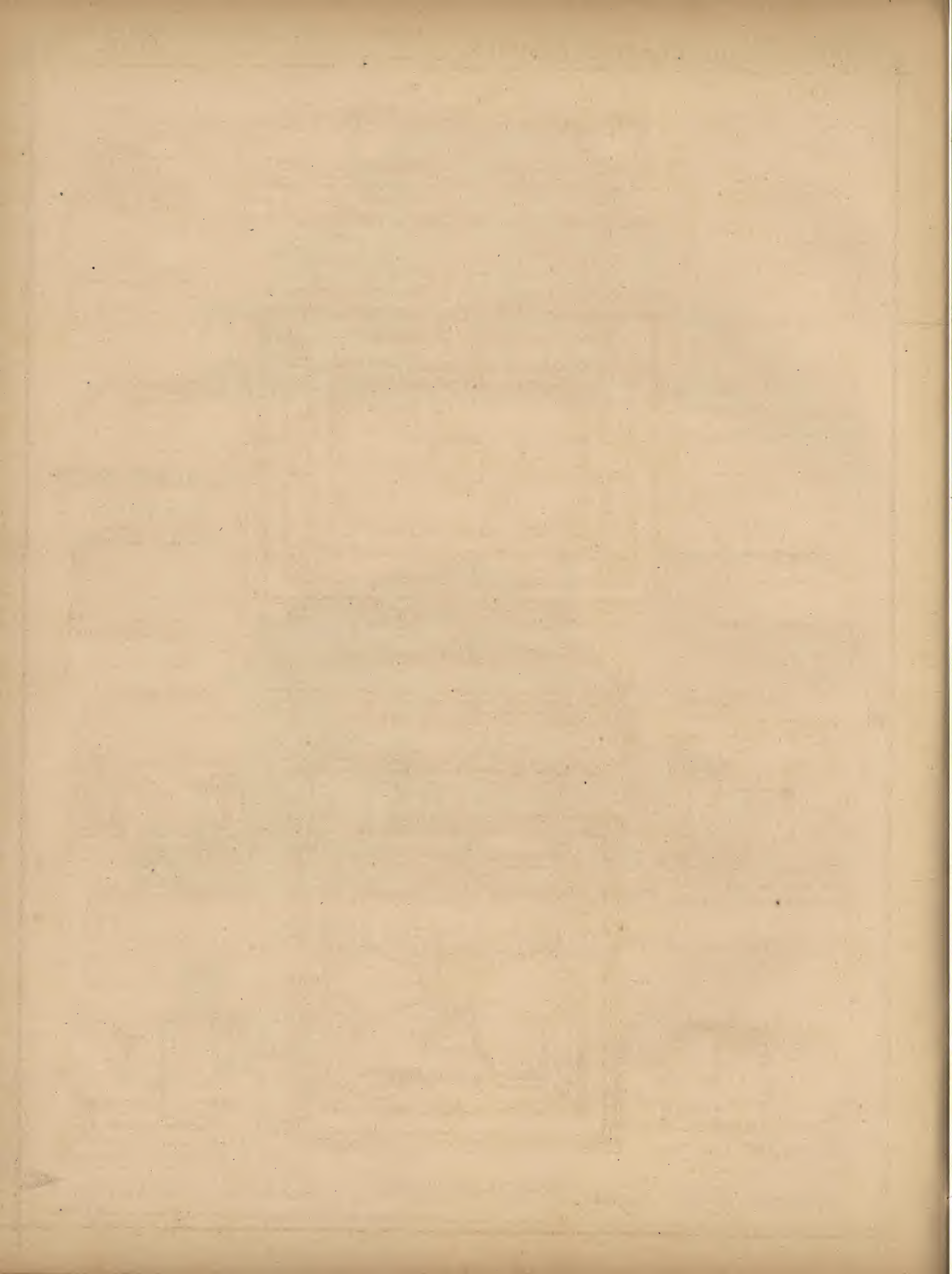


ENTRESOL



SECOND STORY.





SECTION of CEILING
CORNICES

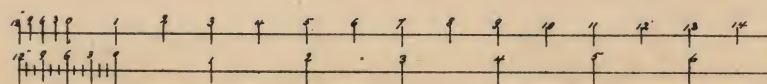
SECTION at A-B

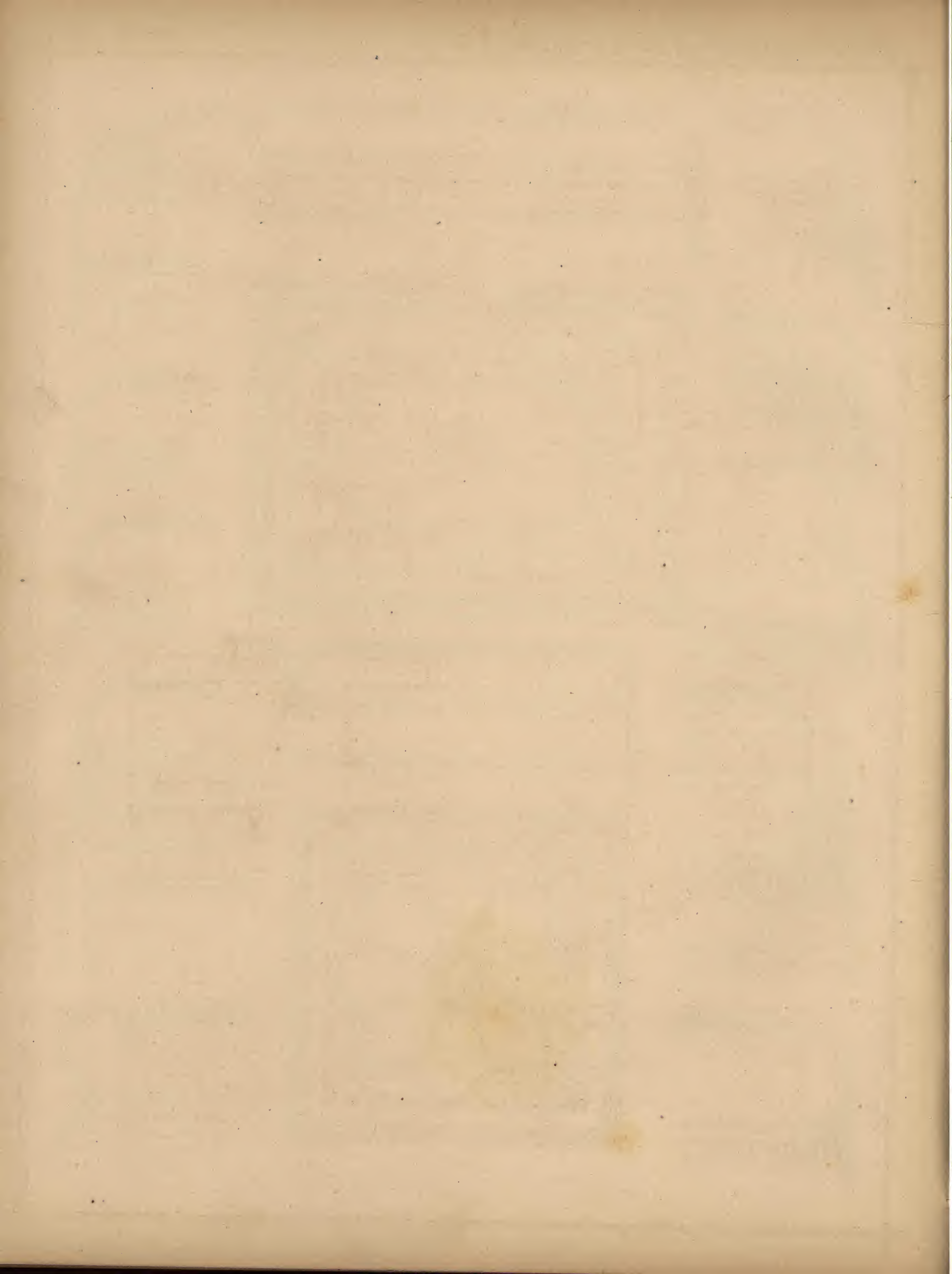
SECTION of
CEILING
CORNICES

PLAN of CEILING.

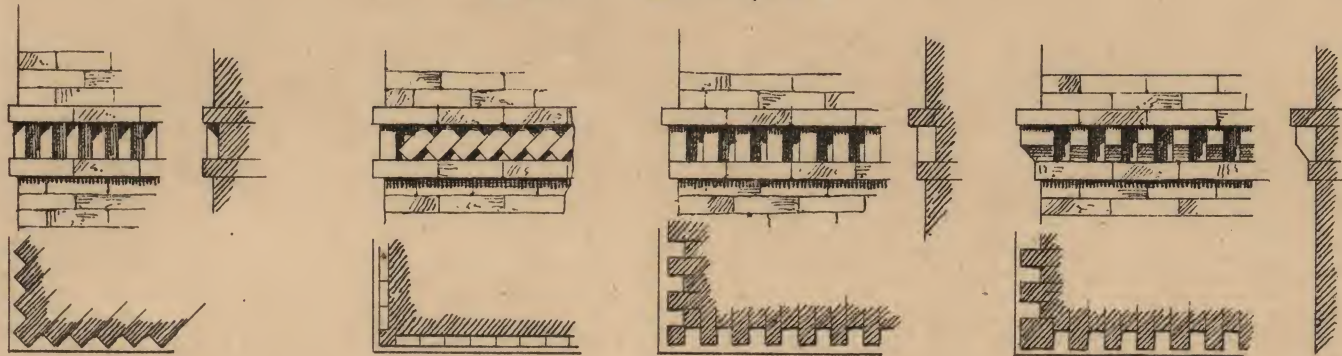
SECTION at C-D.

PLAN of CEILING.

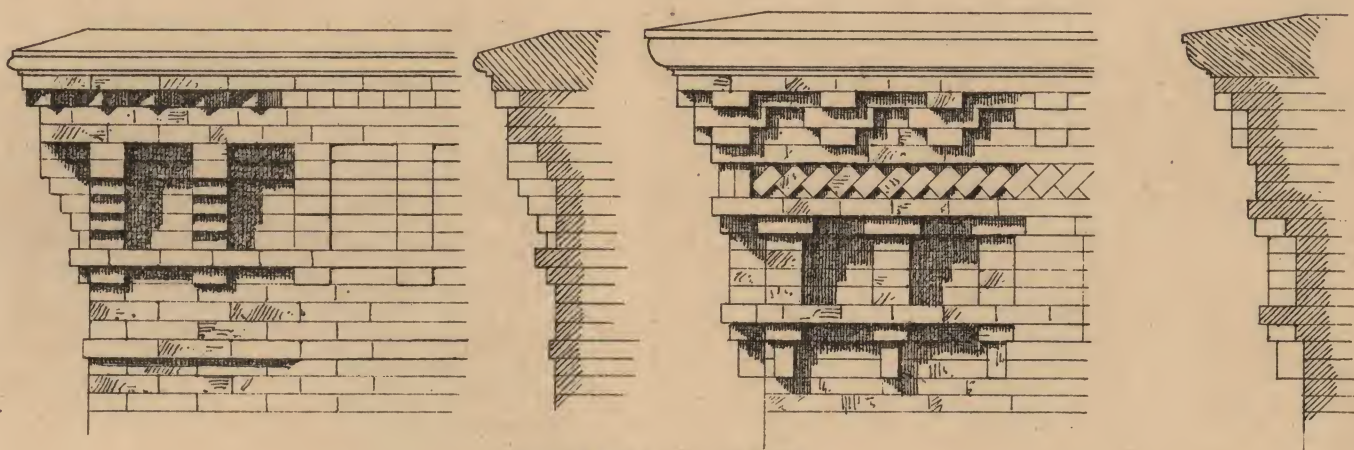

 SCALE of PLANS, OR $\frac{1}{4}$ INCH.
 SCALE of SECTIONS, OR $\frac{1}{8}$ INCH



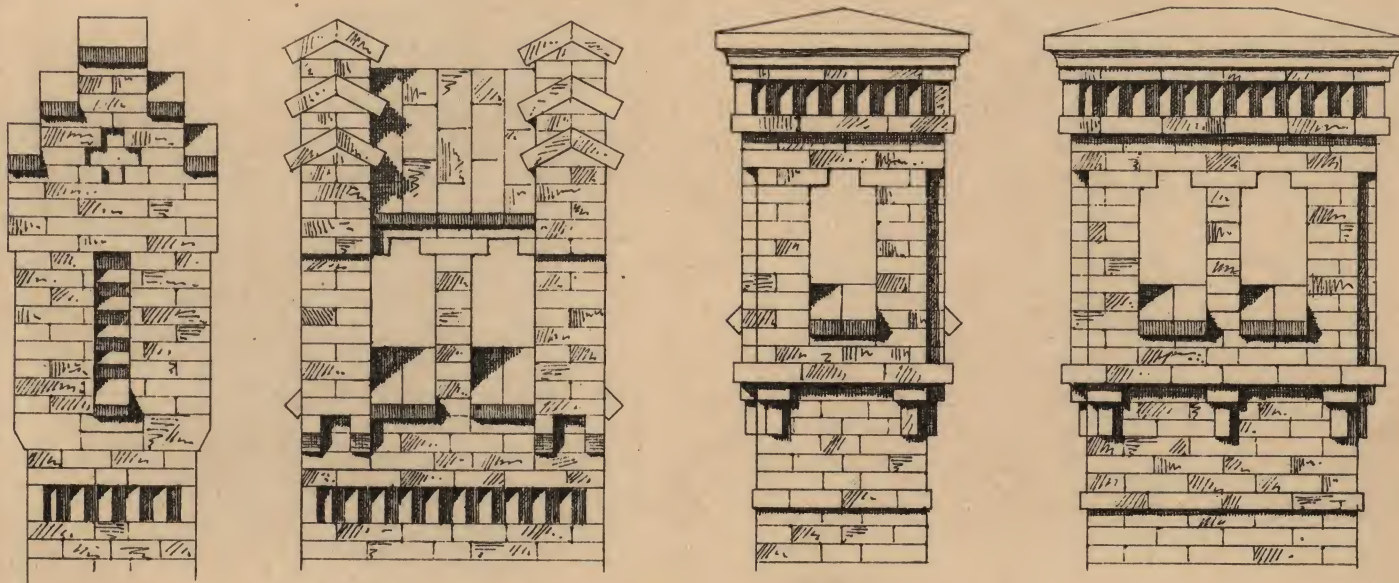
BELT - COURSES.



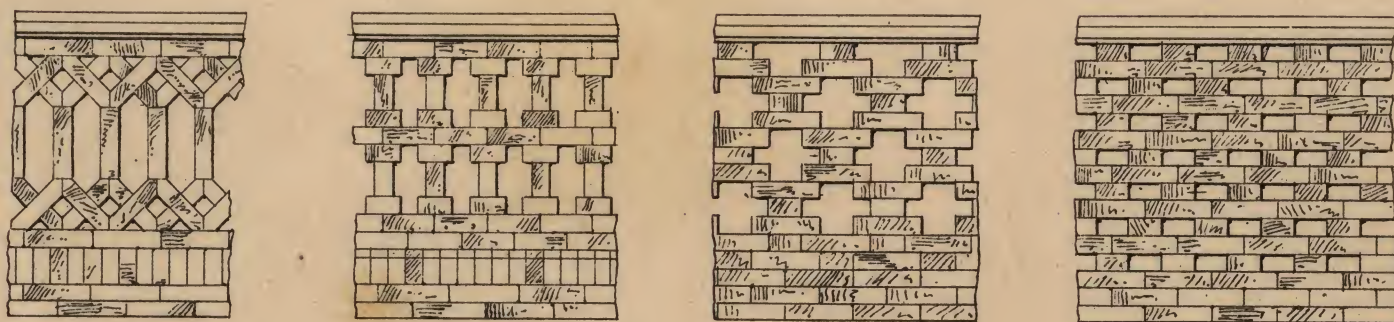
MAIN CORNICES.

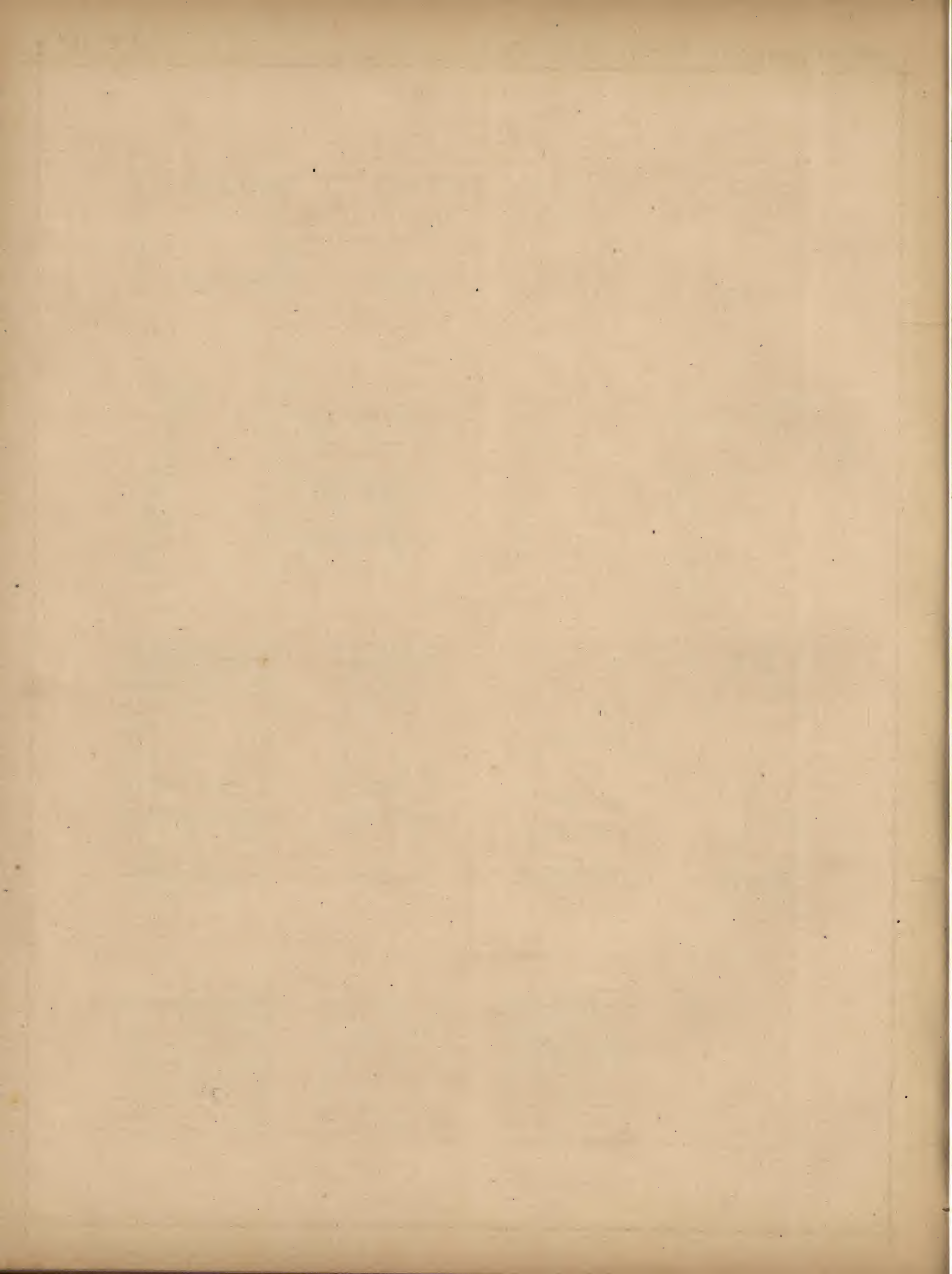


CHIMNEY - CAPS.



OPEN BRICK WALLS.





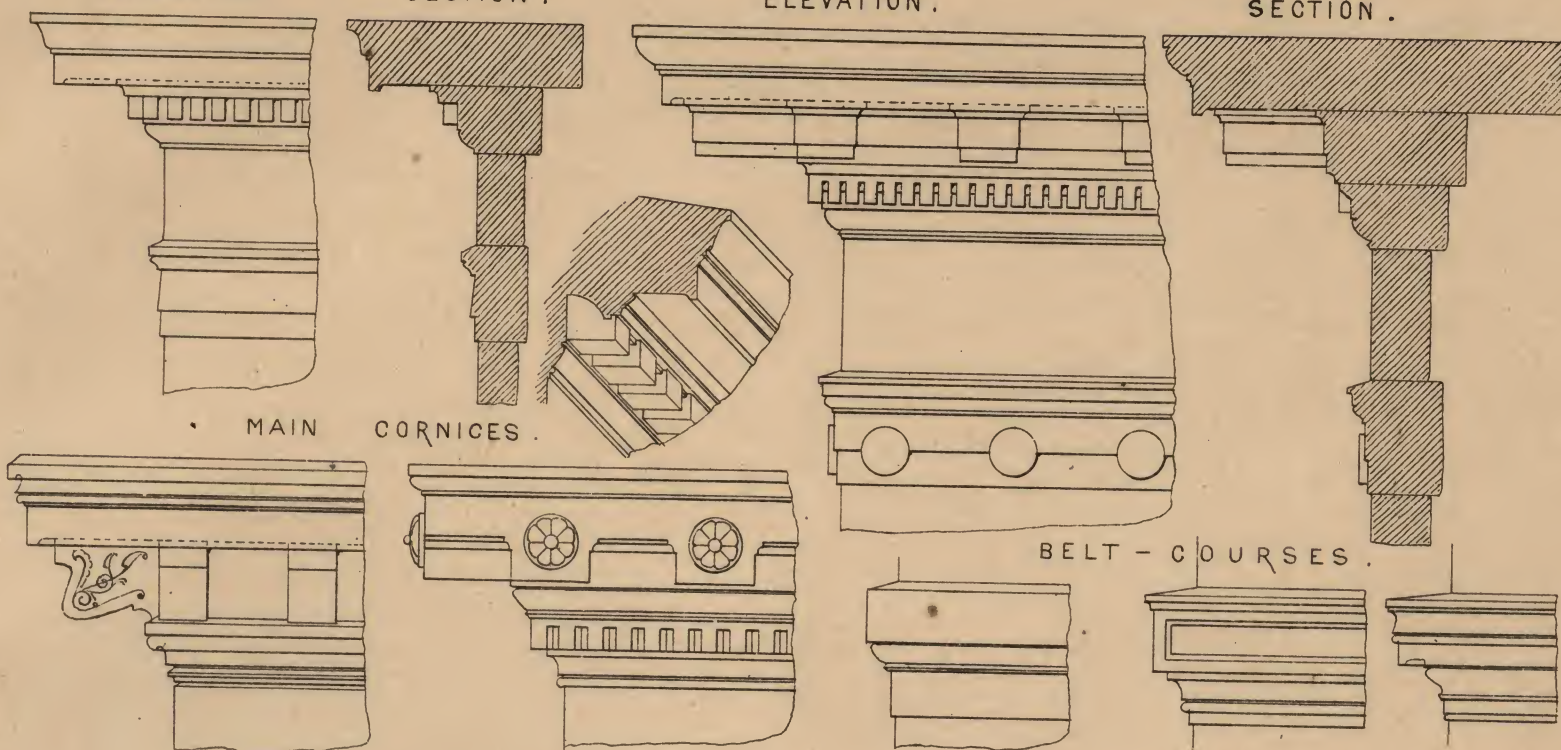
MAIN CORNICES.

ELEVATION.

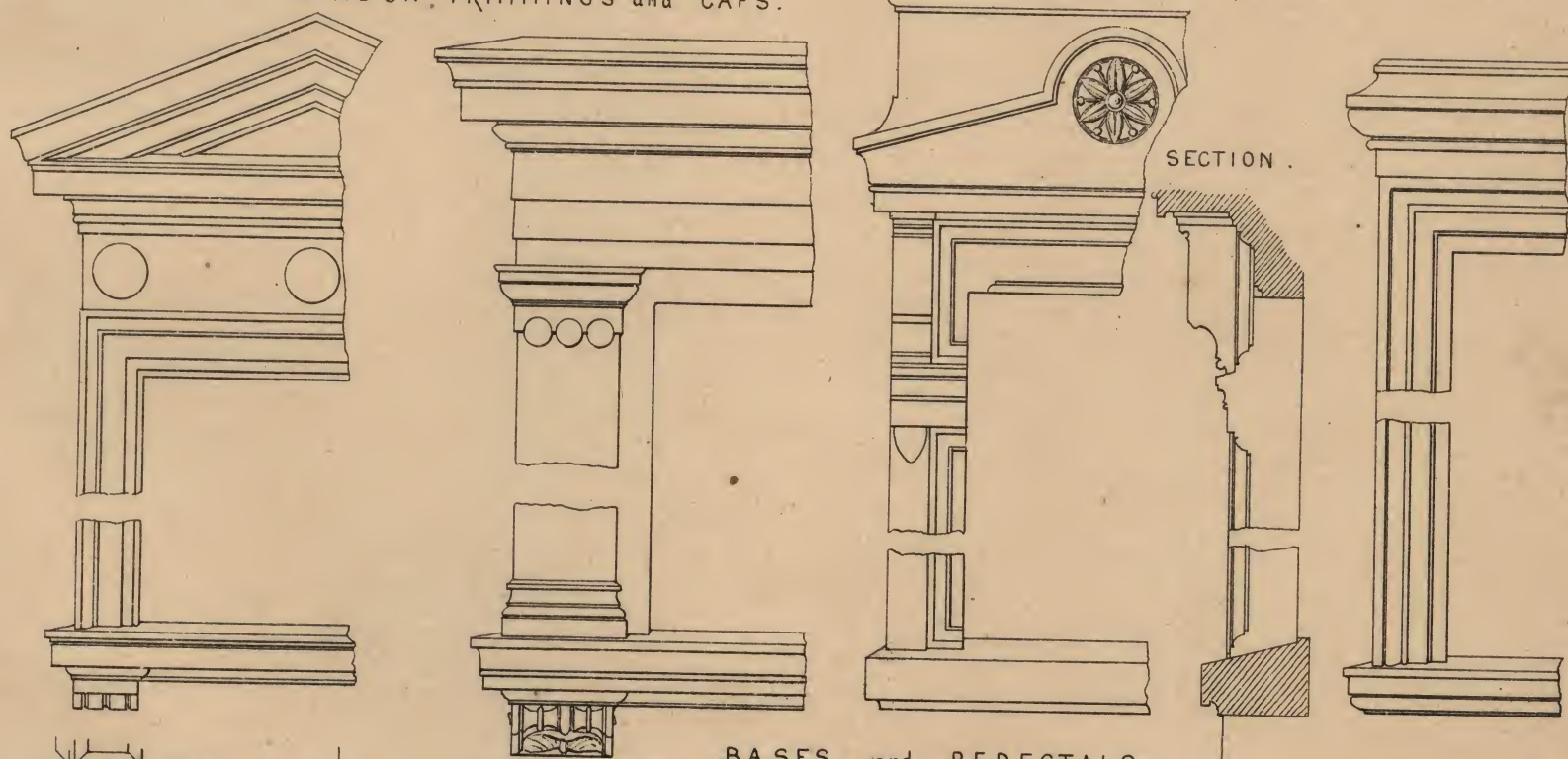
SECTION.

ELEVATION.

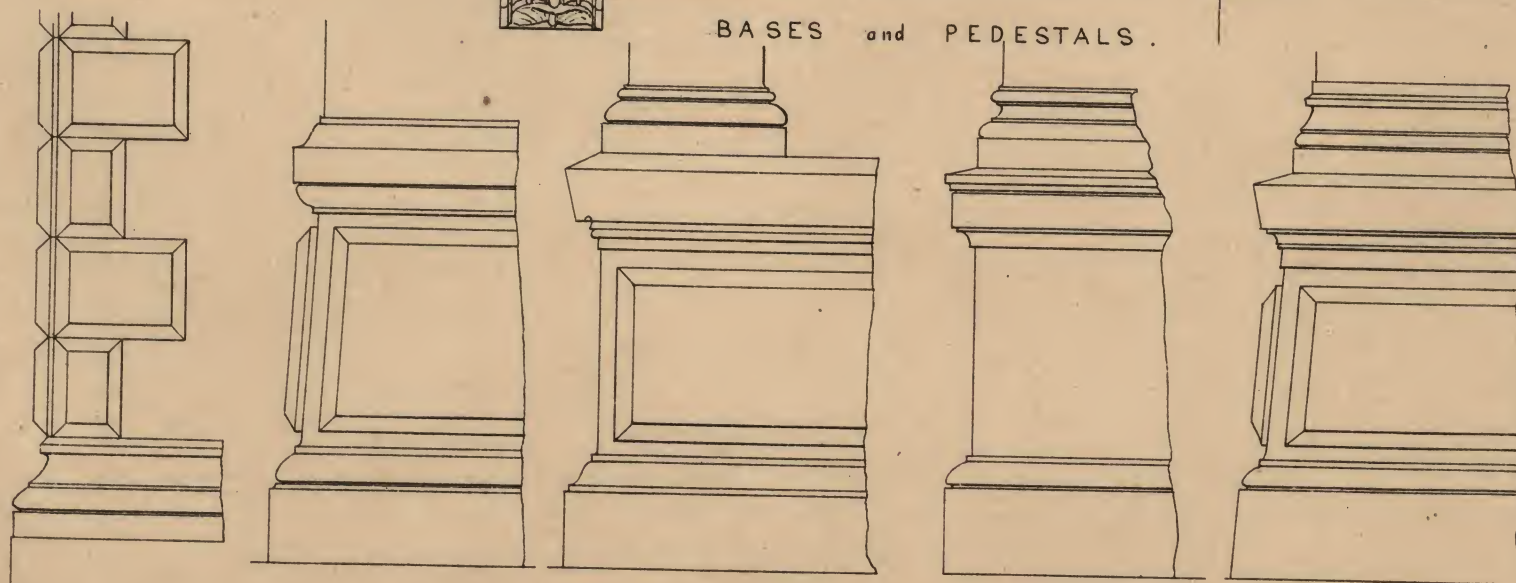
SECTION.



WINDOW TRIMMINGS and CAPS.



BASES and PEDESTALS.



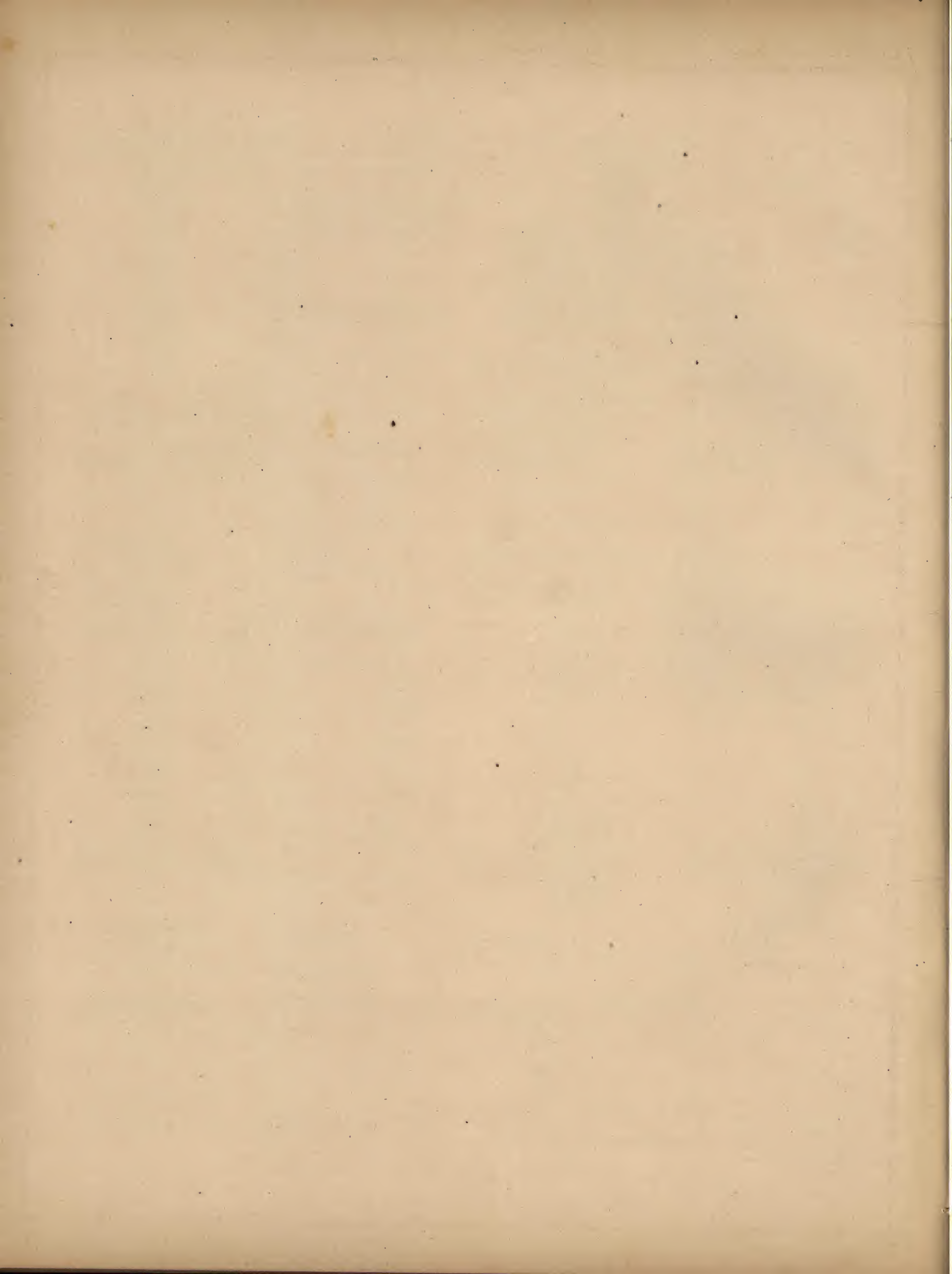
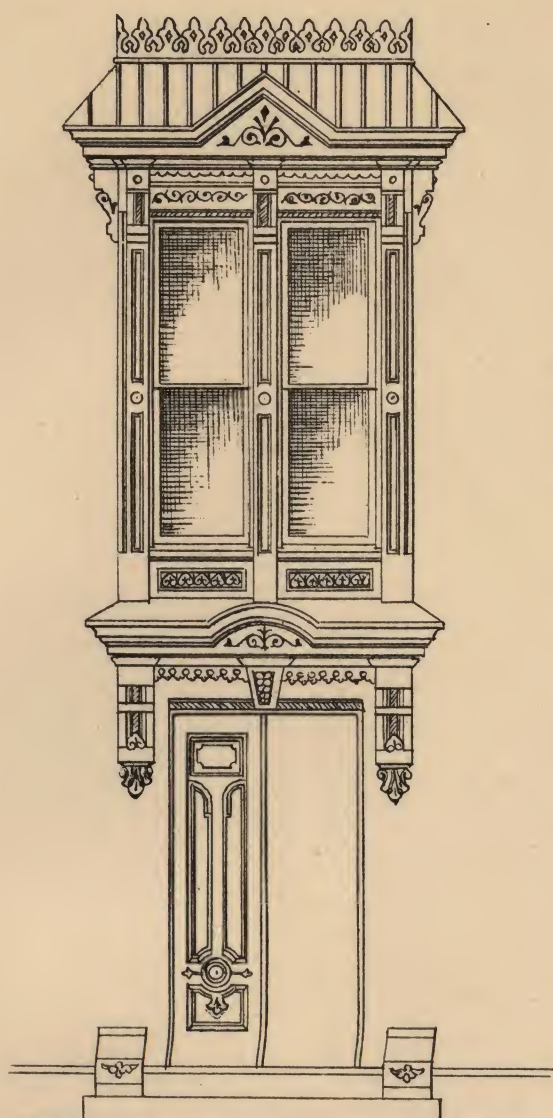


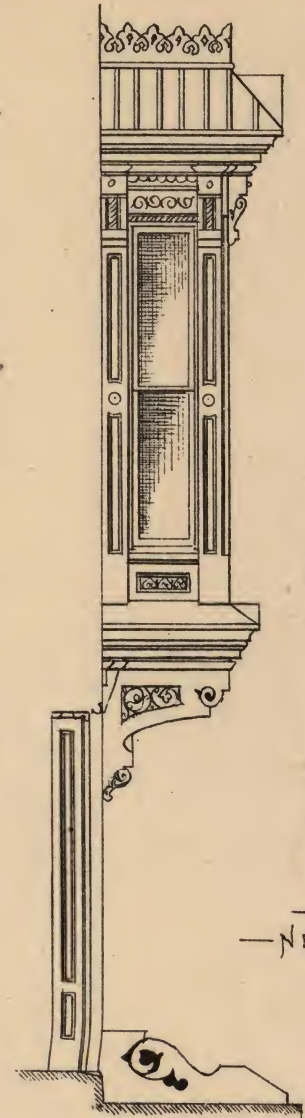
PLATE 158,

Shows miscellaneous details, including projecting bay over front door, in wood; best adapted for a city house. Newel and front door of walnut. Mantels for either wood or marble.



— FRONT — $\frac{1}{4}$ IN. SCALE

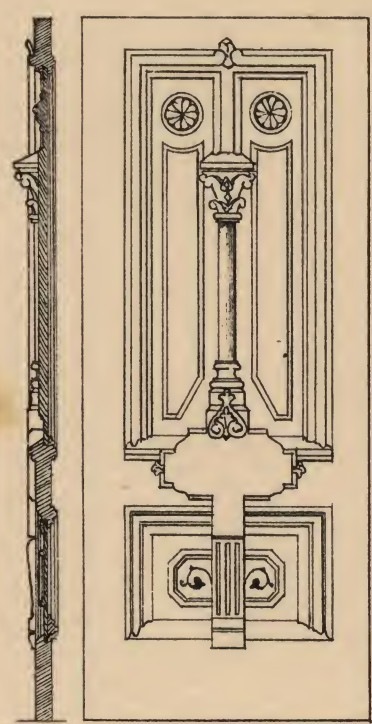
— PROJECTING BAY —



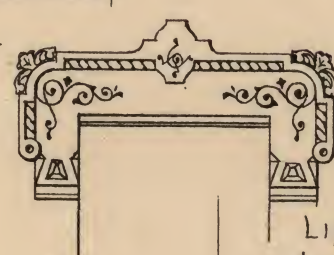
— SIDE —



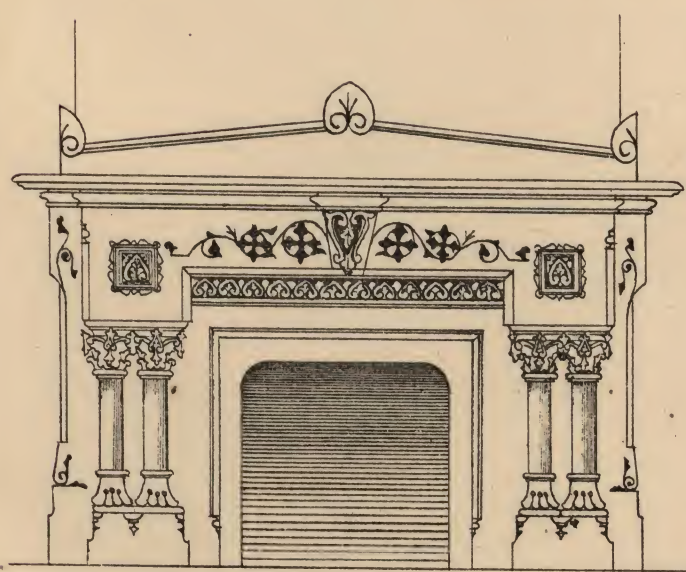
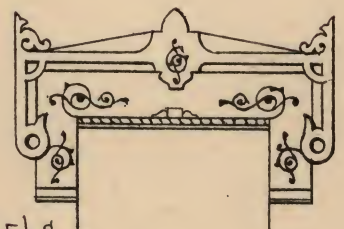
— NEWEL — $\frac{1}{2}$ IN. SCALE



— DOOR — $\frac{1}{2}$ IN. SCALE



LINTELS
 $\frac{1}{2}$ IN. SCALE

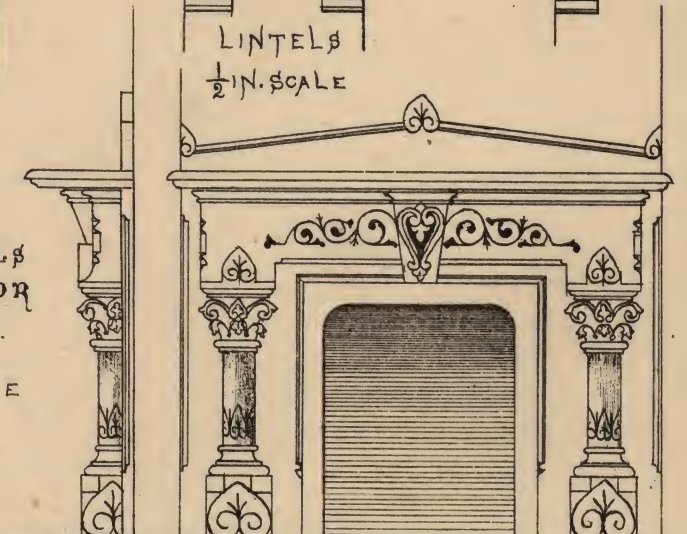


— ELEVATION —

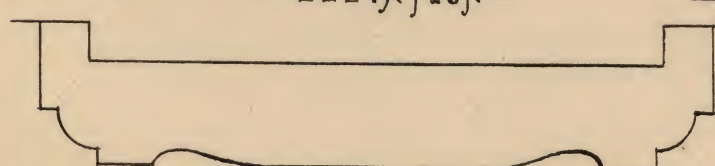


— SIDE —

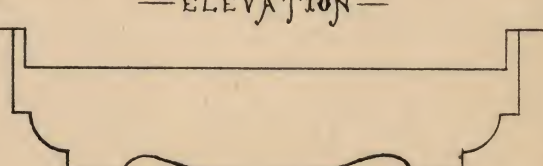
MANTELS
IN WOOD OR
STONE.
 $\frac{1}{2}$ IN. SCALE



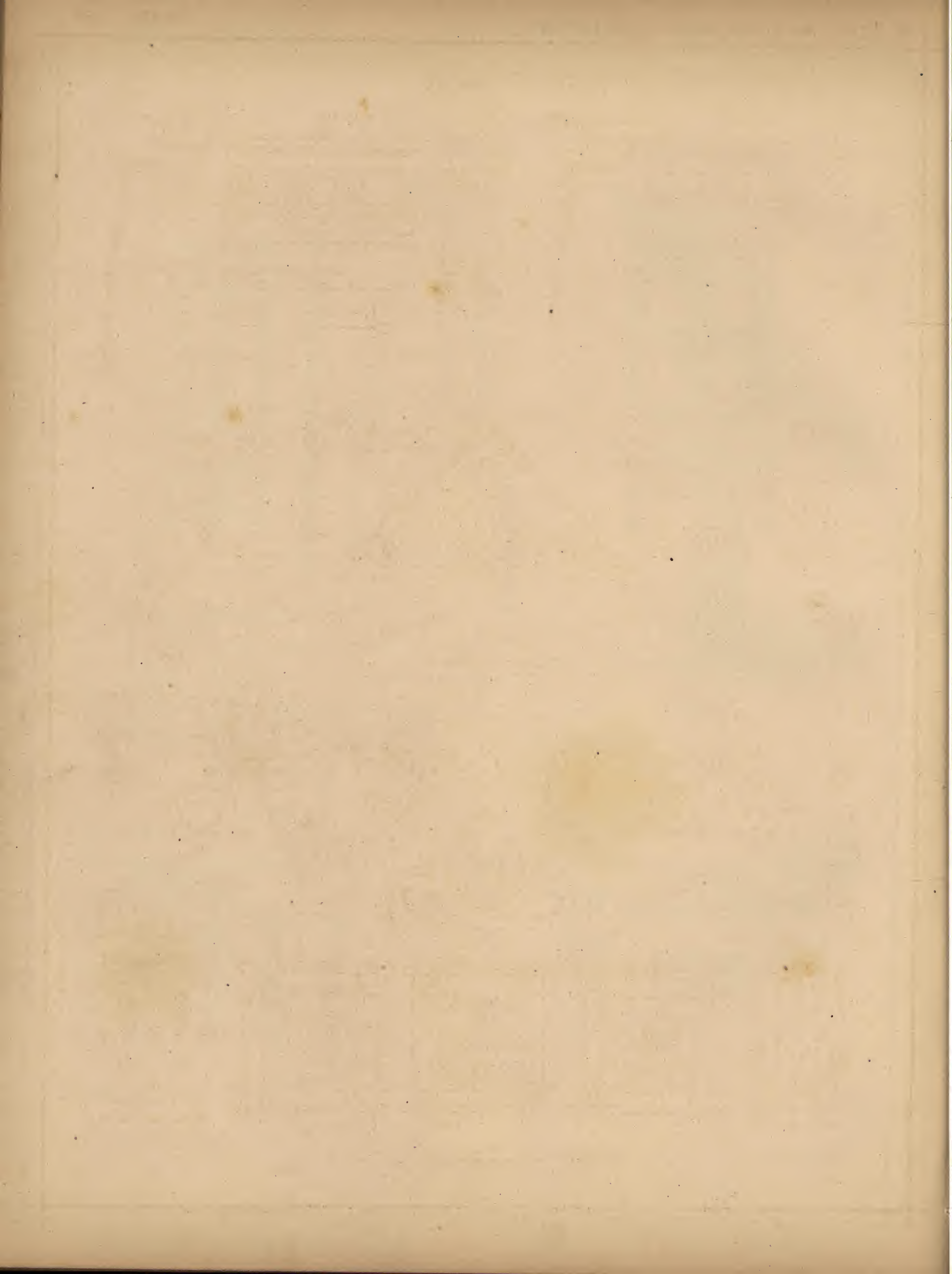
— ELEVATION —



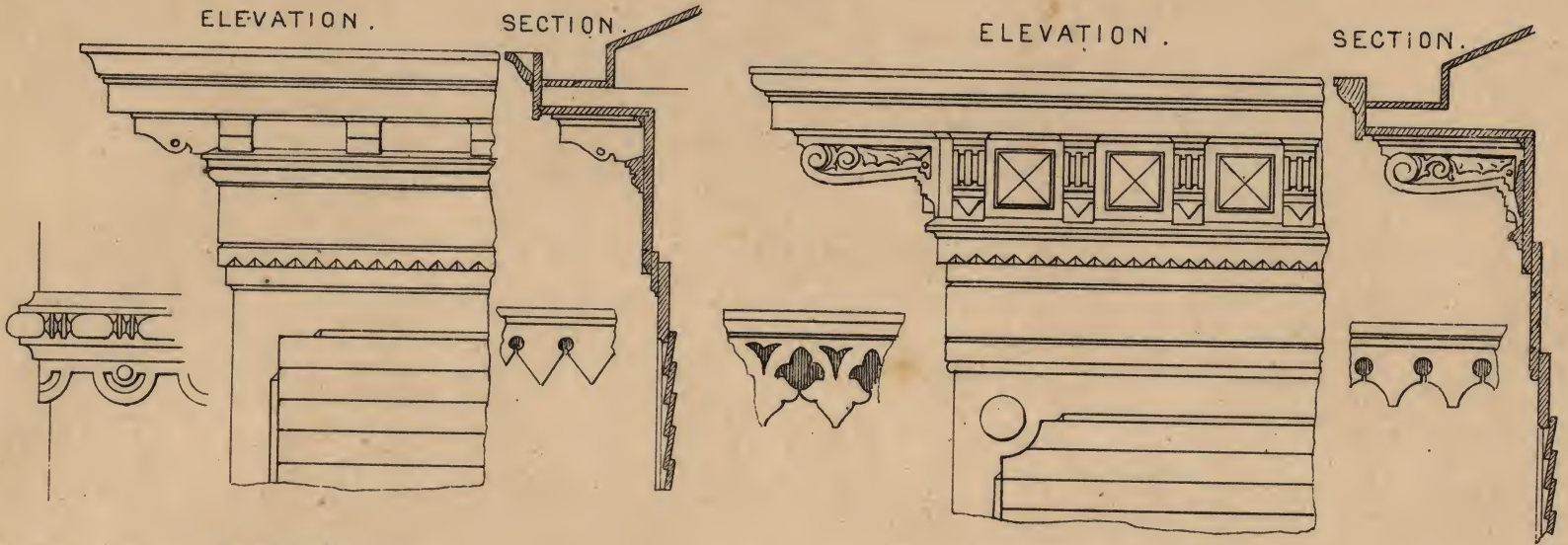
— PLAN. —



— PLAN. —

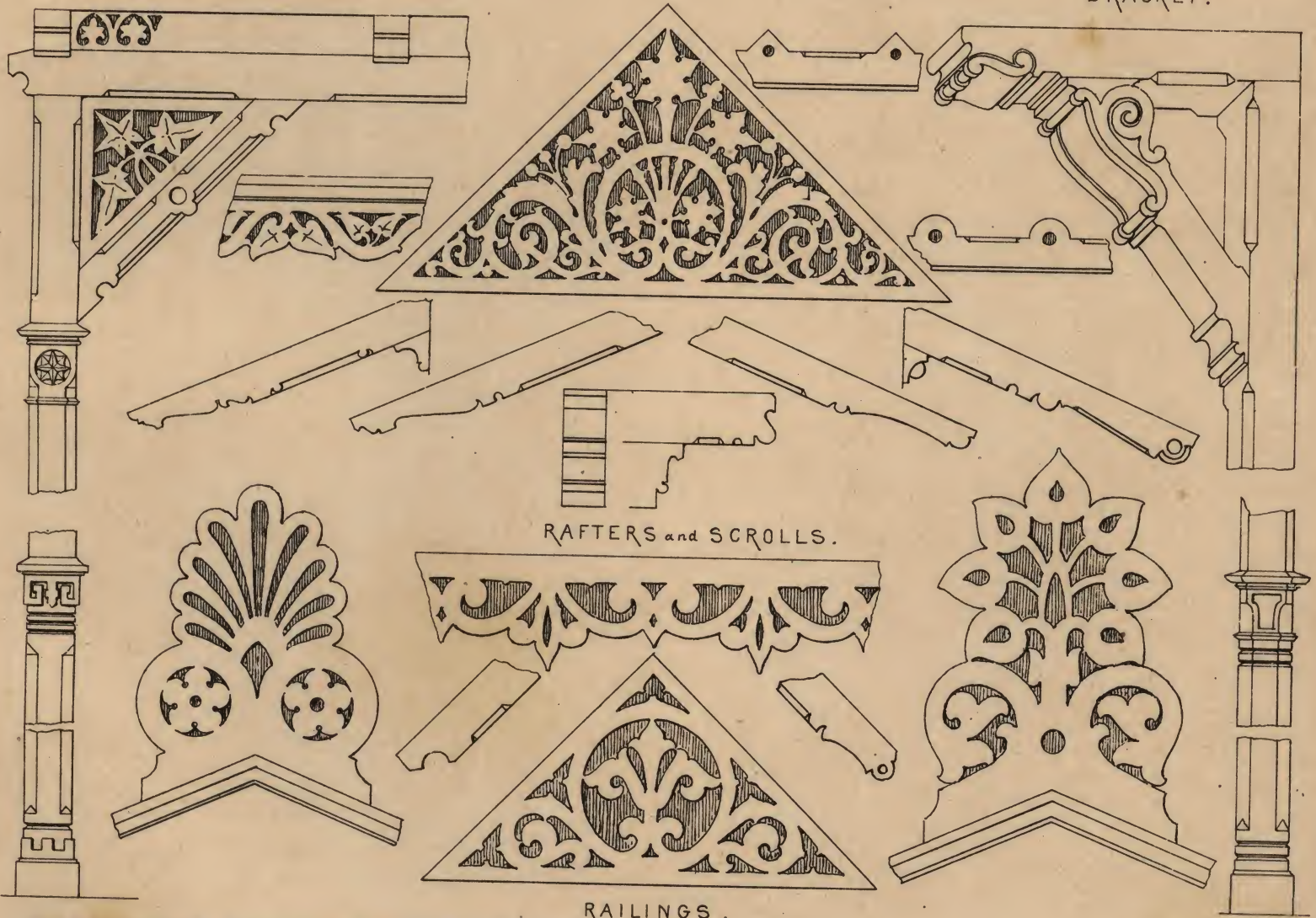


WOODEN CORNICES.



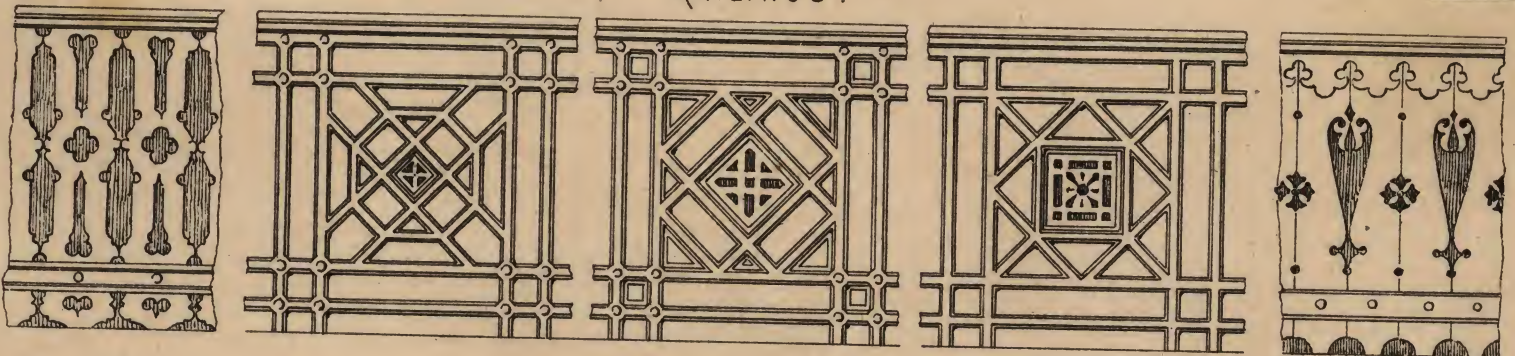
BRACKET.

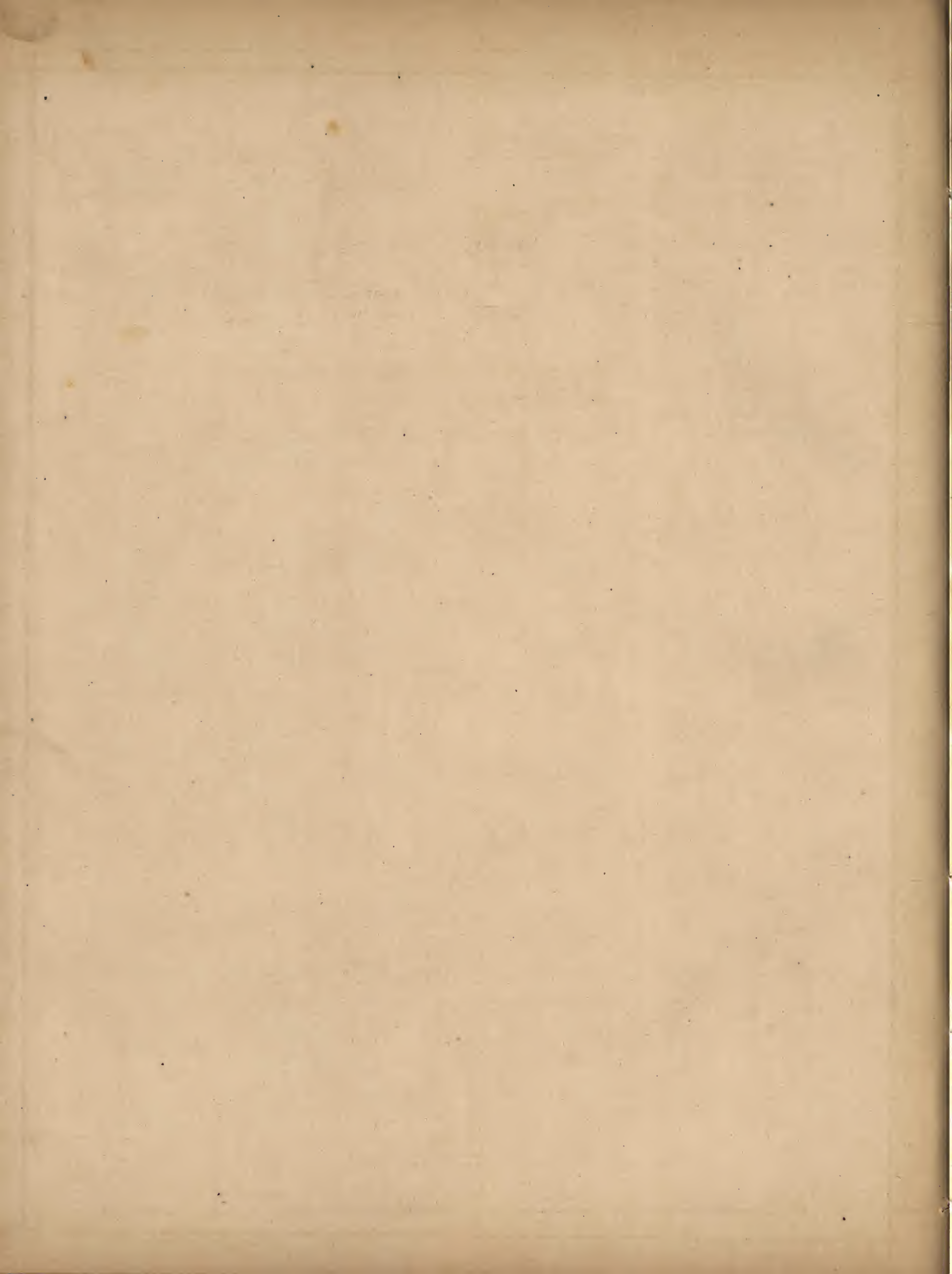
BRACKET.

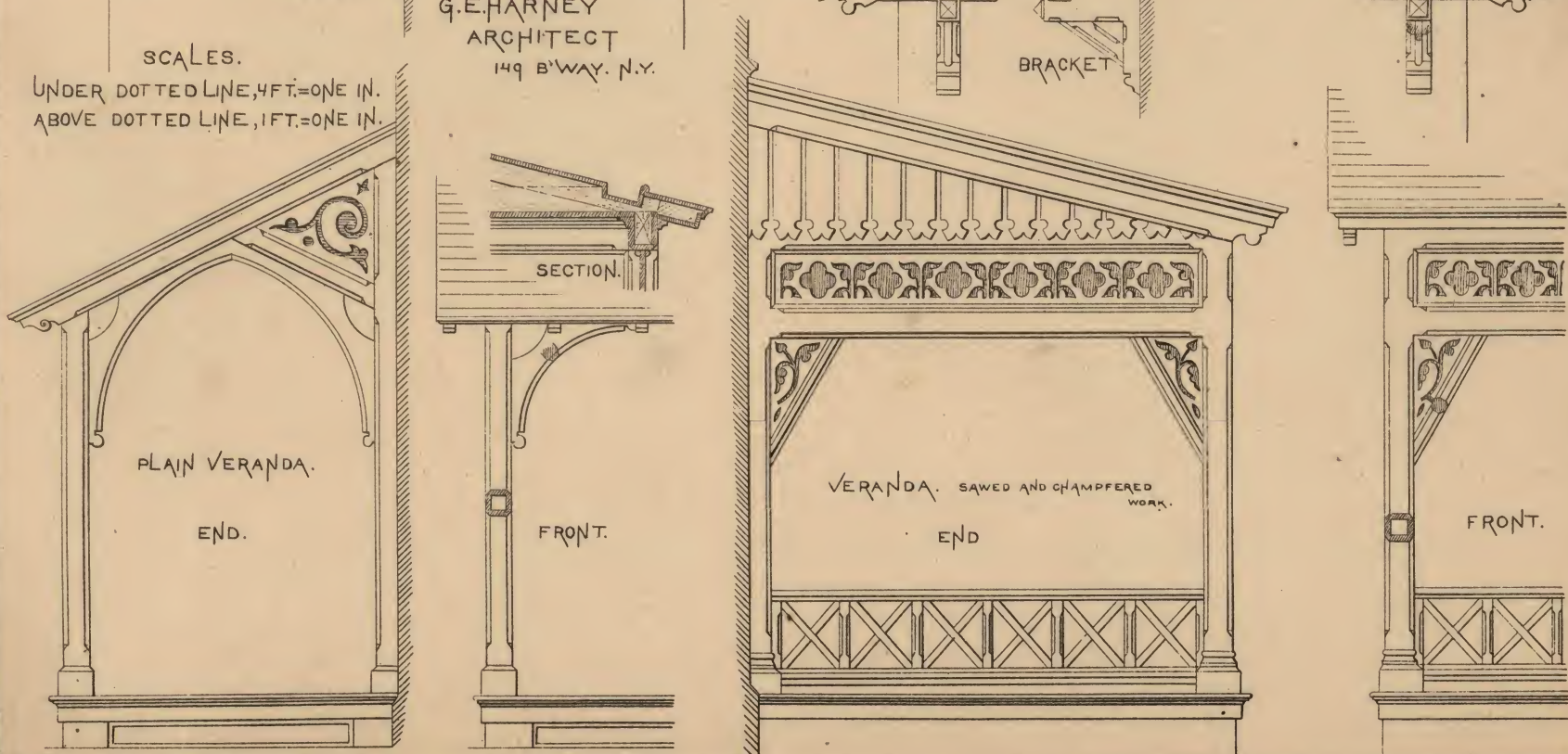
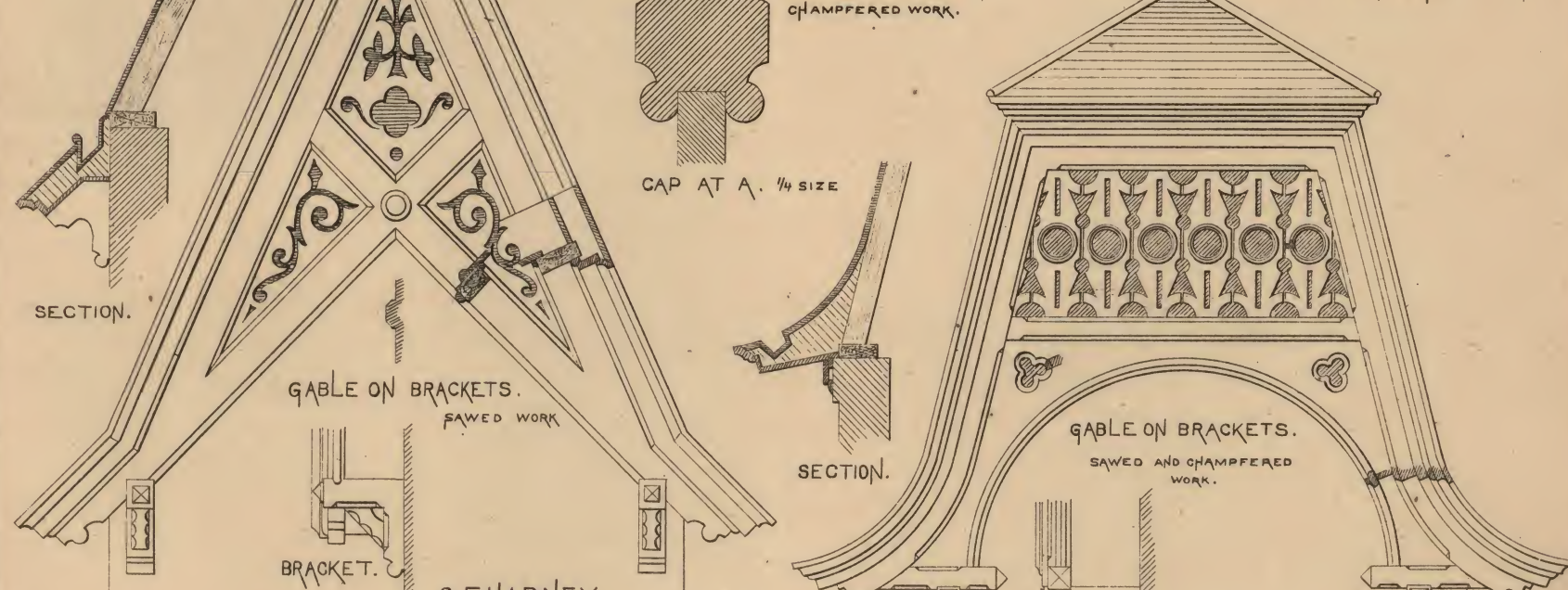
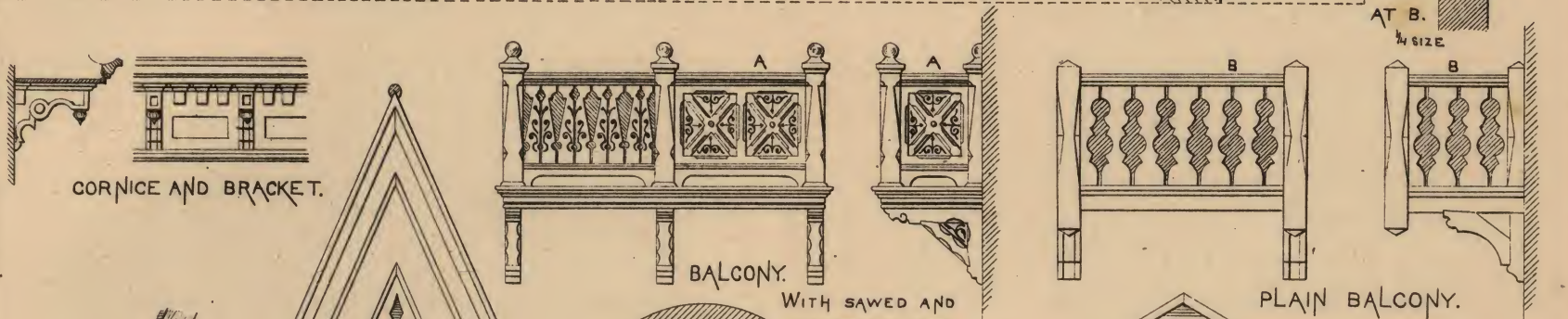
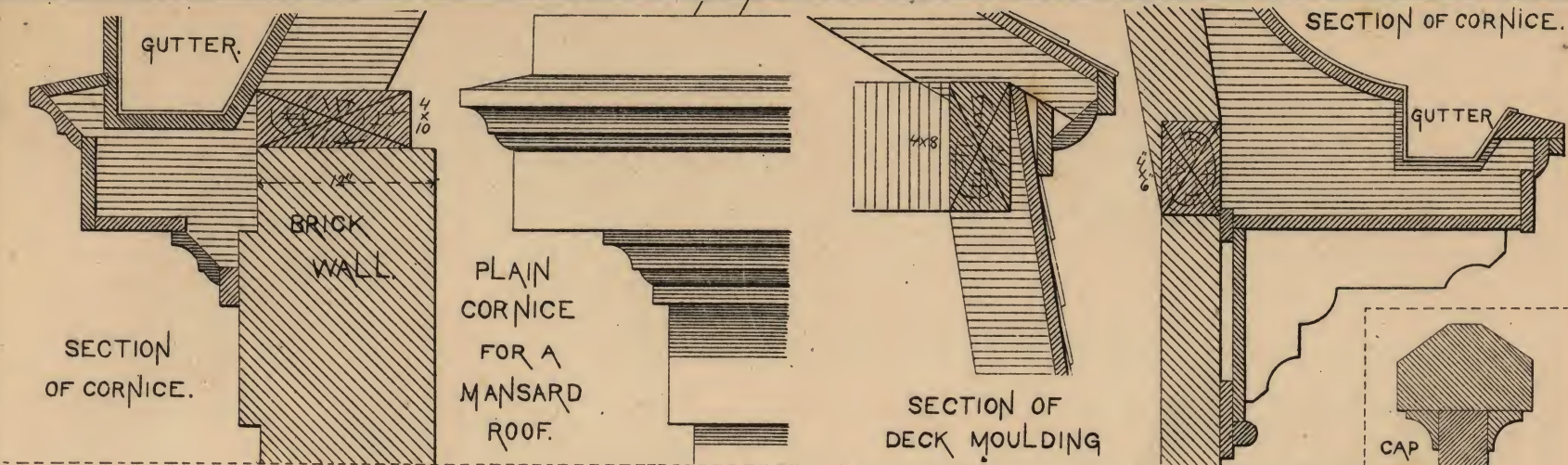


RAFTERS and SCROLLS.

RAILINGS.

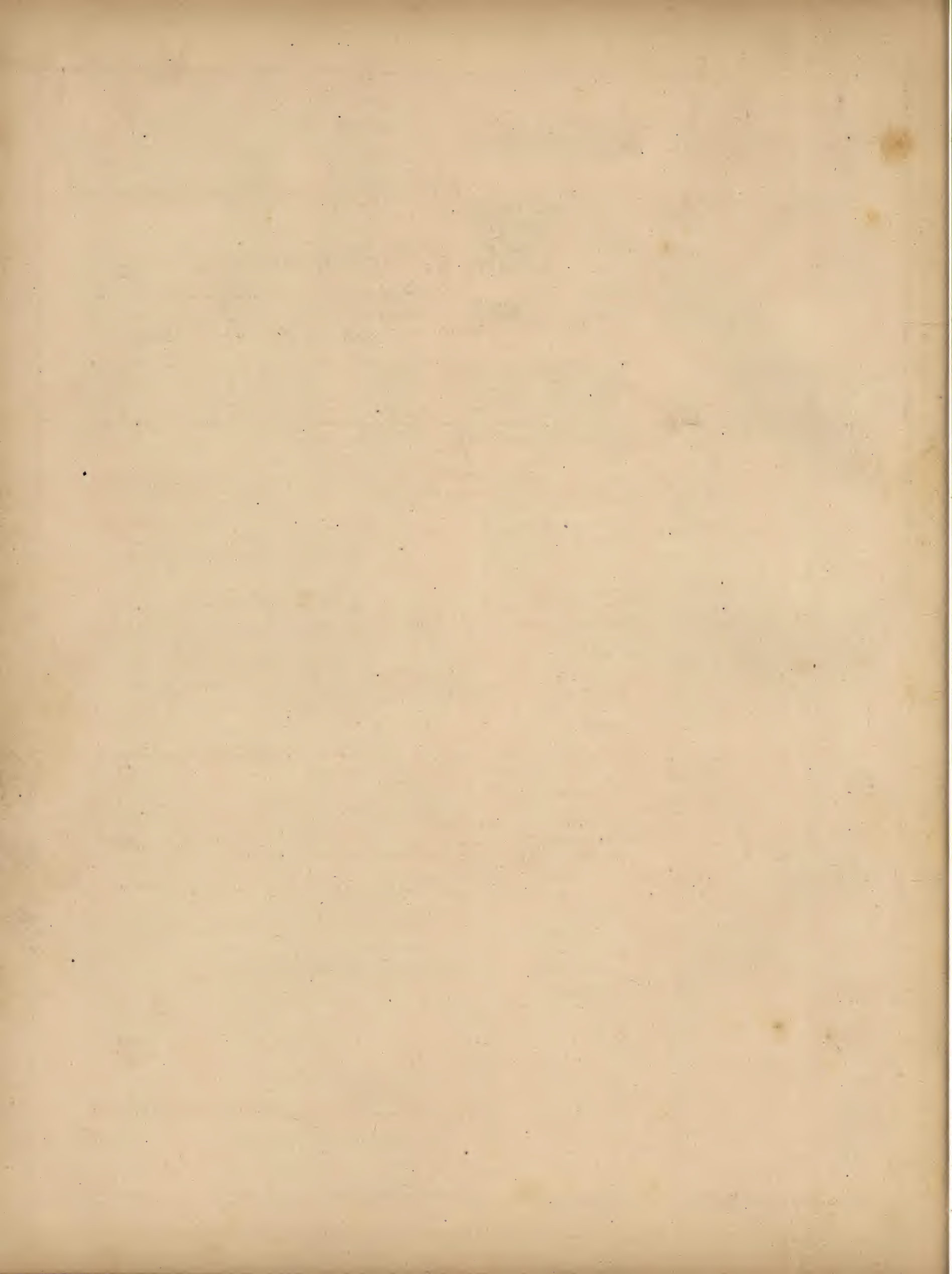






G.E. HARNEY
ARCHITECT
149 B'WAY. N.Y.

SCALES.
UNDER DOTTED LINE, 4 FT. = ONE IN.
ABOVE DOTTED LINE, 1 FT. = ONE IN.



NEW YORK FORM OF CONTRACT.

(Revised by WM. T. HALLETT.)

Articles of Agreement,

this _____ day of _____ in the year one thousand eight hundred and seventy-_____ **By and Between** _____

_____ part of the first part, and _____
_____ part of the second part.

First, The said *part* of the second *part do* hereby, for _____ heirs, executors and administrators, covenant, promise and agree, to and with the said *part* of the first part, _____ executors, administrators, or assigns, that _____ the said *part* of the second part, _____ executors or administrators, shall and will, for the consideration hereinafter mentioned, on or before the _____ day of _____ one thousand eight hundred and seventy-_____ well and sufficiently erect, finish and deliver a _____ to be built on land _____ situated in the _____ of _____ State of _____ agreeably to Drawings and Specifications made by _____ Architect, and signed by the said parties, within the time aforesaid, in a good, workmanlike, and substantial manner, to the satisfaction and under the direction of the said _____ to be testified to by a writing or certificate under the hand of the said _____ and also shall and will find and provide such good, proper and sufficient materials, of all kinds whatsoever, as shall be proper and sufficient for the completing and finishing all the works of the said *Building* mentioned in the _____ Specification for the sum of _____

Second, The said *part* of the first *part do* hereby, for _____ heirs, executors and administrators, covenant, promise and agree, to and with the said *part* of the second part, _____ executors and administrators, that _____ the said *part* of the first part, _____ executors or administrators, shall and will, in consideration of the covenants and agreements being strictly performed and kept by the said *part* of the second part, as specified, well and truly pay, or cause to be paid, unto the said *part* of the second part, _____ executors, administrators or assigns, the sum of _____ Dollars, lawful money of the United States of America, in manner following:

First payment of \$ _____
Second payment of \$ _____
Third payment of \$ _____
Fourth payment of \$ _____

when the building is fully completed, and when the Drawings and Specifications have been returned to the Architect.

Provided, that in each of the said cases a certificate shall be obtained from and signed by the said _____ to the effect that he considers the payment properly due, said certificate, however, in no degree lessening the total and final responsibility of the *part* of the second part; **And Provided Further**, that in each case, if required, a certificate shall have been obtained by the *part* of the second part from the clerk of the office where liens are recorded, and signed by said clerk, to the effect that the said building is, at the time when the payment is to be made, free from all liens and claims chargeable to the *part* of the second part.

And it is hereby further Agreed by and between the said parties:

Third, That the Specifications and the Drawings are intended to co-operate, so that any works exhibited in the Drawings, and not mentioned in the Specifications, or *vice versa*, are to be executed the same as if they were mentioned in the Specifications and set forth in the Drawings, to the true intent and meaning of the said Drawings and Specifications, without extra charge.

Fourth, The Contractor, at his own proper costs and charges, is to provide all manner of materials and labor, scaffolding, implements, moulds, models and cartage of every description for the due performance of the several works; and render all due and sufficient facilities to the Architect for the inspection of the work.

Fifth, Should the Owner, at any time during the progress of said *Building* require any alterations of, deviations from, additions to, or omissions in the said Contract, he shall have the right and power to make such change, or changes, and the same shall in no way injuriously affect or make void the Contract; but the difference shall be added to or deducted from the amount of the Contract, as the case may be, by a fair and reasonable valuation.

Sixth, Should the Contractor, at any time during the progress of the said works, refuse or neglect to supply a sufficiency of materials or of workmen, or cause any unreasonable neglect or suspension of the work, or fail or refuse to comply with any of the articles of agreement, the Owner or his agent shall have the right and power to enter upon and take possession of the premises, and provide materials and workmen sufficient to finish the said works, after giving a four days' notice in writing; and the expense of the same shall be deducted from the amount of the Contract.

Seventh, Should any dispute arise respecting the true construction or meaning of the Drawings or Specifications, the same shall be decided by the Architect, and his decision shall be final and conclusive; but should any dispute arise respecting the true value of any extra work, or of works omitted, the same shall be valued by two competent persons—one employed by the Owner and the other by the Contractor—and those two shall have power to name an umpire, whose decision shall be binding on all parties.

Eighth, No work shall be considered as extra unless a separate estimate, in writing, for the same shall have been submitted by the Contractor to the Architect and the Owner, and their signatures obtained thereto.

Ninth, The owner shall not, in any manner, be answerable or accountable for any loss or damage that shall or may happen to the said works, or any part or parts thereof respectively, or for any of the materials or other things used and employed in finishing and completing the same (loss or damage by fire excepted).

Tenth, Should the Contractor fail to finish the work at or before the time agreed upon, he shall pay to the *part* of the first part the sum of _____ dollars for each and every day thereafter the said work shall remain unfinished, as and for liquidated damages.

In Witness Whereof, the said parties to these presents have hereunto set their hands and seals, the day and year above written.



PROFESSIONAL PRACTICE AND CHARGES OF ARCHITECTS,

BEING THOSE USUALLY AND PROPERLY MADE;

AND ENDORSED BY THE

American Institute of Architects.

For full Professional Services (including Superintendence), 5 per cent. upon the cost of the work.

PARTIAL SERVICE AS FOLLOWS:

For Preliminary Studies, - - - - -	1 per cent.
For Preliminary Studies, General Drawings and Specifications, - - - - -	2½ per cent.
For Preliminary Studies, General Drawings, Details and Specifications, - - - - -	3½ per cent.

For Stores, 3 per cent. upon the cost, divided in the above ratio.

For works that cost less than \$5,000, or for Monumental and Decorative work, and Designs for Furniture—a special rate in excess of the above.

For alterations and additions—an additional charge to be made for surveys and measurements.

An additional charge to be made for alterations or additions in contracts or plans, which will be valued in proportion to the additional time and services employed.

Necessary traveling expenses to be paid by the Client.

Time spent by the Architect in visiting for professional consultation, and in the accompanying travel, whether by day or night, will be charged for, whether or not any commission, either for office work or superintending work, is given.

The Architect's payments are successively due as his work is completed, in the order of the above classifications.

Until an actual estimate is received, the charges are based upon the proposed cost of the work, and the payments are received as instalments of the entire fee, which is based upon the actual cost.

The Architect bases his professional charge upon the entire cost, to the Owner, of the building when completed, including all the fixtures necessary to render it fit for occupation, and is entitled to a fair additional compensation for furniture or other articles designed or purchased by the Architect.

If any material or work used in the construction of the building be already upon the ground, or come into possession of the Owner without expense to him, the value of said material or work is to be added to the sum actually expended upon the building before the Architect's commission is computed.

Drawings, as instruments of service, are the property of the Architect.

By order,

A. J. BLOOR,
Secretary.

RICHARD UPJOHN,
President.

A SELECT AND VALUABLE LIST OF PRACTICAL BOOKS,

FORWARDED FREE, BY MAIL, ON RECEIPT OF PRICE.

ATWOOD'S ARCHITECTURAL PROPORTIONS.....	\$1 00	HOLLY'S CHURCH ARCHITECTURE.....	\$10 00
ATWOOD'S COUNTRY AND SUBURBAN RESIDENCES. 1	50	HOW TO PAINT.....	1 00
BAUMANN'S FOUNDATIONS.....	75	HUSSEY'S NATIONAL COTTAGE ARCHITECTURE....	6 00
BICKNELL'S VILLAGE BUILDER AND SUPPLEMENT.12	00	HALLETT'S BUILDER'S SPECIFICATIONS.....	1 75
BICKNELL'S SUPPLEMENT TO VILLAGE BUILDER ..	5 00	HALLETT'S BUILDER'S CONTRACTS.....	10
BICKNELL'S DETAIL COTTAGE AND CONSTRUCTIVE		HINCKLE & Co.'s BOOK ON BUILDING; paper, \$1;	
ARCHITECTURE.....	10 00	cloth.....	1 50
BELL'S CARPENTRY MADE EASY.....	5 00	LEWIS' PRACTICAL POULTRY KEEPER.....	1 50
BURNS' ARCHITECTURAL DRAWING BOOK.....	1 00	LOTH'S PRACTICAL STAIR BUILDER.....	10 00
BURNS' ILLUSTRATED AND PERSPECTIVE DRAWING		MONCKTON'S STAIR BUILDER.....	6 00
BOOK.....	1 00	MONCKTON'S CARPENTER AND JOINER.....	6 00
BURNS' ORNAMENTAL DRAWING-BOOK.....	1 00	MITCHELL'S STEPPING-STONE TO ARCHITECTURE..	60
BUTLER'S VENTILATION OF BUILDINGS.....	50	RANDALL'S PRACTICAL SHEPHERD.....	2 00
CARRIAGE PAINTER'S MANUAL	1 00	RIDDELL'S CARPENTER AND JOINER.....	10 00
CUMMINGS & MILLER'S ARCHITECTURAL DETAILS.10	00	RIDDELL'S NEW ELEMENTS OF HAND RAILING..	7 00
CUMMINGS' ARCHITECTURAL DETAILS	10 00	RIDDELL'S MECHANIC'S GEOMETRY.....	5 00
CROFT'S FRONT ENTRANCE DOORS.....	5 00	STONEHENGE ON THE HORSE.	2 50
COPLY'S PLAIN AND ORNAMENTAL ALPHABETS... 3	00	TOWER'S BRIDGE BUILDING.....	2 00
EVELETH'S SCHOOL-HOUSE ARCHITECTURE.....	6 00	VOGDE'S PRICE-BOOK, cloth, \$1.50; morocco...	2 00
ESSER'S DRAUGHTSMAN'S ALPHABETS.....	1 50	WOODWARD'S NATIONAL ARCHITECTURE.....	12 00
FREE HAND DRAWING.....	50	WOODWARD'S COUNTRY HOMES	1 50
GOULD'S CARPENTER'S AND BUILDER'S ASSISTANT. 3	00	WITHER'S CHURCH ARCHITECTURE.....	15 00
GUILLAUME'S INTERIOR ARCHITECTURE.....	3 00	WILLIAMS' WINDOW GARDENING	1 50
HARNEY'S BARNs AND OUT-BUILDINGS.....	6 00	WILLARD'S PRACTICAL DAIRY HUSBANDRY.....	3 00
HOUSE OF GOD.....	1 75	WOODRUFF'S TROTting HORSE OF AMERICA.....	2 50

For a more complete description of any of the above see our new Illustrated Catalogue. Mailed free to any Address.

A. J. BICKNELL & CO.,
ARCHITECTURAL BOOK PUBLISHERS,
AND DEALERS IN
DRAWING INSTRUMENTS, DRAWING PAPER, TRACING CLOTH, ETC.,
27 WARREN STREET, NEW YORK.

MINTON'S
ENCAUSTIC TILES FOR FLOORS.

MINTON'S
ENCAUSTIC AND PAVING TILES,

For Vestibules, Halls, Hearths, Conservatories, etc., in Dwellings, and for
CHURCHES, BANKS, STORES, ETC.

AS LAID BY US IN THE

CAPITOL AT WASHINGTON.

GLAZED WALL TILES,

In Brilliant Colors for Grates and Fire-Places,

AND FOR INSERTION IN

WAINSCOTING, MANTELS, DOOR-FRAMES, FURNITURE, ETC.

Both kinds of Tiles are used in Panels of Brick and Stone

FOR EXTERIOR DECORATION.

Garnkirk Chimney Tops, Glazed Stone Ware Drain Pipes,

VASES for LAWNS and GARDENS,

PLUMBERS' MATERIALS,

AND FIXTURES OF EVERY DESCRIPTION, READY FOR USE.

FOR SALE BY

MILLER & COATES,

279 PEARL STREET,

New York.

4



